

REPORT ON
DIAMOND DRILL PROGRAM
COMANCHE 1-52 MINERAL CLAIMS

Latitude 62° 36' Longitude 137° 19'
Whitehorse Mining District, Yukon
NTS 1151/11

Yukon Gold Placers Ltd. & Pinnacle Mines Ltd.

6 August, 1974

081330

Alan R. Archer

Consultant



This report has been examined by the Geological Evaluation Unit and is recommended to the Commission to be considered as representing a value in the amount of \$ _____

Resident Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

ARCHER, CATIRO

AND ASSOCIATES LTD.

CONSULTING GEOLOGICAL ENGINEERS

WHITEHORSE, Y.T. 667-4415

685, TWO BENTALL CENTRE, VANCOUVER, B.C. 683-2568

POST OFFICE BOX 4127
WHITEHORSE, Y.T.

REPORT ON
DIAMOND DRILL PROGRAM
COMANCHE 1-52 MINERAL CLAIMS

Latitude $62^{\circ} 36'$ Longitude $137^{\circ} 19'$

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Figure 8 - Composite Geochemistry, Geology, Bulldozer Trenching, EM 16 Conductors, and Diamond Drill Holes C1 to C5, Scale 1"= 1000'

In Pocket I

Detailed Drill Logs Holes C1 to C5, Scale 1"= 10'

In Pocket II

Figure 9 - Section Drill Hole C1, Scale 1"=100'

Figure 10- Section Drill Holes C2 and C3, Scale 1"=100'

Figure 11- Section Drill Hole C4, Scale 1"=100'

Figure 12- Section Drill Hole C5, Scale 1"=100'

INTRODUCTION

A drill program consisting of 5 holes totalling 2,793 feet was conducted on the Comanche claims under the writers supervision during the period May 18 to June 22, 1974. Core logging and field supervision was performed by geologist M.P. Phillips. The purpose of the drilling was to explore geophysical targets located on the northeastern side of the property as described in a report by the writer titled "Bulldozer, Trenching and Geophysical Survey, Comanche 1-52 Claims, Minto Area, Yukon Territory" dated November 7, 1973.

Yukon Land and Water Use applications were made prior to drilling and the drill sites and camp were inspected and approved by a Resource Management Officer on completion of the program. A copy of the letter of final clearance is included as an appendix to this report.

PROPERTY, LOCATION AND ACCESS

The property consists of 52 mineral claims recorded at Whitehorse, Yukon Territory, as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Comanche 1-14	Y62268-Y62281	22 September, 1977
Comanche 15-20	Y62282-Y62287	22 September, 1975
Comanche 21-28	Y62288-Y62295	22 September, 1977
Comanche 29-36	Y63506-Y63513	21 October , 1975
Comanche 37-42	Y63514-Y63519	21 October , 1977
Comanche 43-52	Y63520-Y63529	21 October , 1975

The Comanche claims lie 16 miles west of Minto on the all weather Klondike Highway. Minto is approximately 160 road miles from Whitehorse. Figure 8, on the following page, illustrates the location of the eastern portion of the Comanche claims relative to the adjoining Def claim group, owned by United Keno Exploration, and the Minto claim group jointly owned by Silver Standard Mines Ltd. and Asarco Exploration Company of Canada Ltd. A winter road constructed in early 1974 from Yukon Crossing (near Carmacks on the Klondike Highway) to the Minto claims passes within 3,000 feet of the eastern boundary of the Comanche claims. This road is scheduled to be up-graded for all weather use by August 1975.

GEOLOGICAL SETTING

General

The general geological setting is well described in the writers report of November 7, 1973. Briefly, the area is underlain by the weakly foliated Triassic Klotassin Batholith which is cut by narrow aplite to pegmatite dikes and varies in composition from diorite to granodiorite. Tertiary Carmacks volcanics unconformably overlie the Klotassin Batholith to the south and west and occasionally occur as dikes cutting the intrusion. Bornite and chalcopyrite with lesser amounts of magnetite and pyrite are found in gneissic zones in the Klotassin Batholith. The gneissic zones, which parallel regional foliation, occur over an area at least 2 miles wide and 3 miles long. They vary in width from a few inches to over 100 feet and form up to 10 percent of the intrusion. Foliation attitudes suggest they lie in an open syncline striking about 20° west of north.



Comanche Claims

Regional mapping and geophysical surveys suggested that a portion of the western limb of the syncline containing gneissic zones should lie under thick overburden cover on the northeast portion of the Comanche claims. The drilling did intersect gneissic zones in the western side of the syncline, but only located traces of copper. Results of each hole are discussed in greater detail later in this report. The following is a description of the various rock units intersected by drilling.

Tertiary Carmacks Volcanics - two varieties were noted as occasional dikes cutting the Klotassin Batholith. The first is a dark green, fine grained andesite with chilled contacts that is occasionally sheared and weakly altered. The second is a dacite containing crowded feldspar and scattered phenocrysts of hornblende and biotite.

Klotassin Batholith - has been divided into granodiorite and diorite units. The granodiorite is weakly foliated, light coloured, equigranular and contains up to 15% hornblende and biotite. It occurs in porphyritic and non-porphyritic phases. The non-porphyritic phase has a lower quartz content and is gradational to diorite. The porphyritic phase is characterized by higher quartz content, often occurring as crystal clusters, and the presence of pink poikilitic feldspar phenocrysts up to 25mm long. The porphyritic granodiorite is similar to the wall rocks of the mineralized gneissic zones on the Def and Minto claims. The diorite is equigranular and non-porphyritic.

Hornblende is the main mafic material although biotite is present. Narrow mafic rich zones are common.

Both units exhibit irregular feldspar alteration up to 6 inches away from fault zones. Anhydrite veinlets were noted in the final 180 feet of drill hole C1.

Gneissic Zones - are found in both the diorite and granodiorite units. They have a similar composition to the enclosing rock but contain more than average mafic minerals with biotite often exceeding hornblende. The gneissic appearance is imparted by strong alignment of the mafics in the direction of regional foliation. Biotite rich portions occasionally contain narrow quartz rich, or quartz flooded, sections with associated mineralization consisting of disseminations or thin veinlets of magnetite with bornite, chalcopyrite, pyrite and pyrope garnet.

DIAMOND DRILLING

General

The drilling was contracted to General Drilling Ltd. of Whitehorse, Yukon Territory, at the rate of \$14.75 per foot for non-coring overburden and BQ coring in bedrock. The contractor was responsible for supplying and maintaining the camp. Mobilization and demobilization was contracted separately at a flat rate of \$2,500.00

The core is stored in a well constructed log pole core rack some 200 feet northeast of hole C4. Each core box is labelled with a strip of aluminum tape which identifies the hole and box number.

Core recovery was good and no unusual problems were encountered either in overburden or bedrock. Location of hole collars are shown on Figure 8 and sections of each hole are enclosed in Pocket 2 of this report.

Mineralization was only found in hole C1 and all sections with visible copper were split and assayed at Whitehorse Assay Office Ltd., Whitehorse, Yukon. A copy of the assay certificate is included as Appendix 2. In addition, a core sample was taken for each 20 foot section of each hole and assayed geochemically for copper at Chemex Labs Ltd., North Vancouver, by atomic absorption of a nitric-perchloric extraction. Copies of the Chemex certificate of analyses are also included as part of Appendix 2.

Drill Hole Description

Detailed drill logs, following a style which allows easy computerization, are enclosed in Pocket 1 of this report. A summary of the purpose and result of each drill hole follows:

Hole C1 (Figure 9) - drilled to explore a weak magnetic anomaly on the flanks of an EM 16 conductor. The hole cut 80' of boulder-clay glacial till before reaching bedrock, which is predominantly diorite. Gneissic zones were intersected from 196.2' to 196.7', 252.7' to 253.7', 358.2' to 361.2', 471.1' to 475.4', 493.6' to 496.0', 523.2' to 524.0' and 582.3' to 674.0'. No further zones were intersected to the final depth of 1,000'. The best mineralization was found from 358.2' to 360.0' (1.8') where a quartz flooded section containing abundant magnetite and minor partially oxidized chalcopyrite and pyrite

assayed 0.48 percent copper. The mineralization is associated with a strong fault which probably explains the EM anomaly. The relationship between the faulting and the mineralization is uncertain. Minor chalcopyrite and pyrite associated with fine grained magnetite was also observed from 471.1' to 475.4' (4.3' assaying 0.13% copper), 595.3' to 596.5' (1.2' assaying 0.02% copper), 606.3' to 608.4' (2.1' assaying 0.04% copper and 668.0' to 672.4' (4.4' assaying 0.10% copper).

Hole C2 (Figure 10) - drilled vertically to determine if the core angles observed in Hole C1 represented flat lying or steep easterly dipping foliation. This hole would normally have been drilled from the same site as Hole C1 but it was believed that the 400 foot move uphill would result in shallower overburden. Unfortunately, the boulder-clay glacial till was 184' thick and the hole had to be continued to 280' before a steep east dip was confirmed with certainty.

Hole C3 (Figure 10) - drilled to explore the continuity of gneissic zones cut in hole C1. Bedrock is alternating phases of diorite and non-porphyrific granodiorite to the final depth of 595'. Gneissic zones were cut from bedrock surface at 178' to 187.0', from 204.0' to 207.0' and from 374.0' to 387'. No mineralization was seen in the zones although a core sample at 180' is geochemically anomalous at 200 ppm copper in contrast to rock background of around 10 ppm. Assuming that the EM linears define the strike of the foliation, the gneissic zone from 374' to 387' would represent a southward weakening of the gneissic zone cut in hole C1 from 582' to 674'.

Hole C4 (Figure 11) - drilled to explore an EM 16 linear in an area where soil geochemical response for copper is weakly anomalous. The hole cut 32' of glacial overburden followed by porphyritic granodiorite to 450' and then diorite to the final depth of 563'. Unmineralized gneissic zones were cut from 40.0' (bedrock surface) to 108.7' and from 289' to 310.5'. Geochemical analyses of core returned anomalous values from 50 to 146 ppm copper from the upper gneissic zone but only 10 ppm copper, or background, from the lower zone. The EM 16 linear may be explained by a weak fault intersected at 409'.

Hole C5 (Figure 12) - drilled to examine an east trending EM 16 linear that could represent the westerly extension of a major (ore controlling?) fault on the United Keno ground. The hole cut 8' of overburden followed by diorite grading through non-porphyritic granodiorite to porphyritic granodiorite at its final depth of 355 feet. No gneissic material or any evidence of mineralization was noted and core geochemical analysis only returned background copper assays. A strong fault from 237' to 255' is the probable cause of the EM 16 response.

Interpretation

The EM 16 linears appear to be explained by unmineralized faults, some of which have an attitude parallel to the foliation direction. There is no apparent relationship between magnetic trends and bedrock geology. The thick glacial overburden in the vicinity of hole C1 to C3 would prevent any surface geochemical expression of underlying mineralization. The fact that hole C4

cut a gneissic zone geochemically anomalous in copper immediately below the overburden suggests that the two copper soil anomalies in this area could be real, even though overburden is 30 feet thick.

The gneissic zone cut in hole C4 indicates that the western limb of the synclinal portion of the Klotassin Batholith containing gneissic zones may lie as far west as EM 16 conductor F shown on Figure 8. Angles observed in the drill holes show that the foliation dips 65° east or steeper. The fact that the unmineralized, narrow gneissic zones cut in hole C3 become wider and weakly mineralized 400 feet north in hole C1 suggests that the copper content of these particular zones may increase north of hole C1.

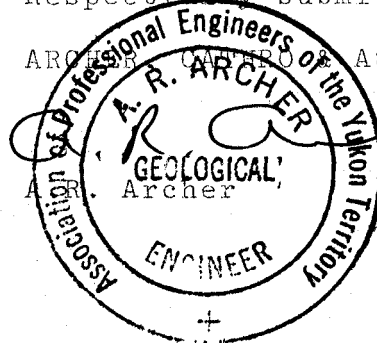
RECOMMENDATIONS

Additional drilling is warranted north of hole C1 and in the area between EM 16 conductors B and F. The completed drill program will provide sufficient assessment to hold all of the Comanche claims until September, 1979, and the most important claims until September, 1981. The Silver Standard-Asarco deposit will likely be brought into production before 1979. Therefore, additional drilling should be deferred until at least 1979 when all weather access will be available to the area and the overall geological picture will be more clearly understood. Furthermore,

both the Def and Minto claims will undoubtedly be explored along their western boundaries during the next four years and mineralization might be found which would project into the Comanche claims.

Respectfully submitted,

ARCHER & CARPENTERS ASSOCIATES LTD.



ARA:ka

Indian and
Northern Affairs

Affaires indiennes
et du Nord

Building 200
Takhini
Whitehorse, Yukon
Y1A 3V1

July 16, 1974

Your file Votre référence

Our file Notre référence

Minto - NLMZ

Archer, Cathro & Associates Ltd.
P. O. Box 4127
Whitehorse, Yukon

Dear Sir:

Re: Drill and Trenching Program
Minto Area, Yukon

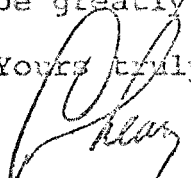
A final inspection was recently conducted on the above operation by Resource Management Officer C. F. Robertson of Carmacks.

At the time of inspection it was found that all cleanup and restoration had been satisfactorily completed. Final clearance is now being issued on the program work to date.

In completion of the work in the Minto area, your company is to be commended for the excellent cleanup work which was carried out. The standard of cleanup and restoration which your company set is now being used as an example for similar operations in the Yukon.

Your continued co-operation will be greatly appreciated.

Yours truly,


C. W. Leary
Land Use Co-ordinator,
Northern Natural Resources
and Environment Branch

CWL:sjb

cc: A. L. Smith
D. J. Morgan
C. F. Robertson

ASSAYS. - DRILL HOLE CH

DATE. MAY 29, 1971.

FILE NO. 92-70-3

COMPLETED

DRILL HOLE C 1

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.

BOX 4513 WHITEHORSE N. T.

PHONE 667 2694

Y1A 2R3

SAMPLE RECEIVED FROM

180702 4 013500

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	COPPER				
00701 353.2'-350'			.48				
00702 472.2'-473.2'			.13				
00703 473.2'-474.5"			.04				
00704 474.2'-475.4'			.24				
00705 595.2'-596.5'			.02				
00706 606.3'-608.4'			.04				
00707 668.2'-672.4'			.10				
00708 672.4'-674.0'			.02				

ASSAYER.

ASSAYER. L. H. Land & H. J. Bortolico



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 27411

TO: Archer Cathro & Assoc. Ltd.,
Box 4127
Whitehorse, Y.T.

INVOICE NO. 11797

RECEIVED July 9/74

ATTN: Proj. Pinnacle

ANALYSED July 17/74

SAMPLE NO. :	FOOTAGE	PPM Copper	Recks
C5 E 10501	-- 20	7	
02	-- 40	10	
03	-- 60	8	
04	-- 80	8	
05	-- 100	12	
06	-- 120	16	
07	-- 140	10	
08	-- 160	16	
09	-- 180	10	
10	-- 200	7	
11	-- 220	7	
12	-- 240	4	
13	-- 260	10	
14	-- 280	8	
15	-- 300	8	
16	-- 320	8	
C5 E 10517	-- 340	10	
C1 E 10518	-- 120	8	
19	-- 140	10	
20	-- 160	8	
21	-- 180	8	
22	-- 200	8	
23	-- 220	4	
24	-- 240	6	
25	-- 260	16	
26	-- 280	7	
27	-- 300	7	
28	-- 320	7	
29	-- 340	7	
30	-- 360	18	
31	-- 380	8	
32	-- 400	7	
33	-- 420	12	
34	-- 440	8	
35	-- 460	21	
36	-- 480	8	
37	-- 500	7	
38	-- 520	8	
39	-- 540	8	
C1 E 10540	-- 560	7	
Std.		70	

HOLE C5

HOLE C1



MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY:

B. L. L. L.



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Archer Cathro & Assoc. Ltd.,
Box 4127
Whitehorse, Y.T.

CERTIFICATE NO. 27412

INVOICE NO. 11797

RECEIVED July 9/74

ATTN: Proj. Pinnacle

ANALYSED July 17/74

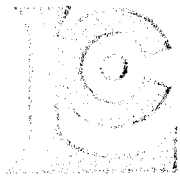
SAMPLE NO. :	FOOTAGE	PPM Copper	Rocks
C1 E 10541	-- 580	7	
42	-- 600	8	
43	-- 620	66	
44	-- 640	10	
45	-- 660	7	
46	-- 680	10	
47	-- 700	10	
48	-- 720	7	
49	-- 740	10	
50	-- 760	7	HOLE C1
51	-- 780	6	
52	-- 800	6	
53	-- 820	8	
54	-- 840	8	
55	-- 860	7	
56	-- 880	10	
57	-- 900	8	
58	-- 920	13	
59	-- 940	10	
60	-- 960	8	
61	-- 980	8	
C1 E 10562	-- 1000	8	
C2 E 10563	-- 200	6	
64	-- 220	7	
65	-- 240	7	HOLE C2
66	-- 260	6	
C2 E 10567	-- 280	8	
C3 E 10568	-- 180	200	
69	-- 200	8	
70	-- 220	7	
71	-- 240	8	
72	-- 260	4	
73	-- 280	6	HOLE C3
74	-- 300	7	
75	-- 320	7	
76	-- 340	6	
77	-- 360	7	
78	-- 380	6	
79	-- 400	7	
C3 E 10580	-- 420	7	
Std.		70	



MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY:

[Signature]



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Archer Cathro & Assoc. Ltd.,
Box 4127
Whitehorse, Y.T.

CERTIFICATE NO. 27413

INVOICE NO. 11797

RECEIVED July 9/74

ANALYSED July 17/74

ATTN: Proj. Pinnacle

SAMPLE NO. :	FOOTAGE	PPM Copper	REMARKS
C3 E 10581	-- 440	6	HOLE C 3
82	-- 460	7	
83	-- 480	8	
84	-- 500	7	
85	-- 520	6	
86	-- 540	4	
87	-- 560	6	
C3 E 10588	-- 580	7	
C4 E 10589	-- 40	146	HOLE C 4
90	-- 60	64	
91	-- 80	50	
92	-- 100	7	
93	-- 120	8	
94	-- 140	7	
95	-- 160	34	
96	-- 180	7	
97	-- 200	10	
98	-- 220	7	
C4 E 10599	-- 240	7	
C4 E 10663	-- 260	8	
64	-- 280	8	
65	-- 300	10	
66	-- 320	8	
67	-- 340	13	
68	-- 360	6	
69	-- 380	7	
70	-- 400	7	
71	-- 420	6	
72	-- 440	7	
73	-- 460	6	
74	-- 480	4	
75	-- 500	8	
76	-- 520	8	
77	-- 540	12	
C4 E 10678	-- 560	10	
Std.		70	



MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY:

[Signature]

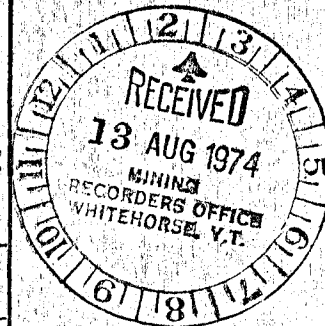


Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



OFFICE DATE STAMP

I (Name)

M.P. Phillips

Occupation

Geologist

(Postal Address)

Box 4127, Whitehorse Yukon

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Comanche 1 - Y62268

up 1

CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at

Minto area

Claim Sheet No.

115-I-11

in the

Whitehorse

Mining District, to the value of at least

\$6400.00

dollars, since the

18

day of

May

19 74

to represent the following mineral claims under the authority of Grouping Certificate No.

(Here list claims to be renewed by number and name in numerical order)

* Comanche 1 - Y62268

2 - Y62269

8 - Y62275

10 - Y62277

11 - Y62278

12 - Y62279

13 - Y62280

14 - Y62281

Comanche 15 - Y62282

16 - Y62283

17 - Y62284

18 - Y62285

19 - Y62286

20 - Y62287

51 - Y63528

52 - Y63529

* 4 years credit for each claim

3. The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)

See "Report on Diamond Drill Program Comanche 1-52 Mineral Claims" by A.R. Archer, P. Eng 6 Aug. 1974 and Drill Hole Schedule.

Holes C2 & 3. Representation Credit = \$12,906.25
Less Group 1 6,400.00
Balance Group 1 \$6,506.25

Sworn before me at

Whitehorse Yukon

this

7

day of

August

19 74

A. A. [Signature]

A Commissioner for Oaths for Yukon Territory.

M.P. Phillips

Applicant.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name) M. P. Phillips Occupation Geologist
(Postal Address) Box 4127, Whitehorse, Yukon.

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Group 2 Comanche 1-Y62268

SHOW DATES WORK COMMENCED AND ENDED ON
CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at Minto area Claim Sheet No. 115-T-11
In the Whitehorse Mining District, to the value of at least \$ 6000.00
dollars, since the 18 day of May 19 74

to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed by number and name in numerical order)

* Comanche 3-Y62270
4-Y62271
7-Y62274
9-Y62276
26-Y62293
27-Y62294
28-Y62295
29-Y63506

Comanche 30-Y63507
31-Y63508
32-Y63509
33-Y63510
34-Y63511
35-Y63512
36-Y63513

* 4 years credit for each claim

3. The following is a detailed statement of such work: (Set out full particulars of the work done
in the twelve months in which such work is required to be done, as shown by Section 53.)

See "Report on Diamond Drill Program, Comanche
1-52 Mineral Claims," by G. R. Archer, P. Eng. 6 Aug 74
and Drill Hole Schedule.

Holes 2 & 3. Balance Group 1 \$ 6,506.25
Less Group 2 6,000.00
Balance Group 2 \$ 506.25

Sworn before me at Whitehorse Yukon
this 7 day of August 19 74

A. A.

A Commissioner for Oaths for Yukon Territory.

M. P. Phillips
Applicant.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) M.P. PhillipsOccupation Geologist(Postal Address) Box 4127, Whitehorse Yukon

MAKE OATH AND SAY, THAT :-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)Comanche 5-Y62272Group 3situated at Minto area Claim Sheet No. 115-I-11
In the Whitehorse Mining District, to the value of at least \$6400.00
dollars, since the 18 day of May 19 74to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed by number and name in numerical order)

* <u>Comanche 5-Y62272</u>	<u>Comanche 43-Y63520</u>
<u>6-Y62273</u>	<u>44-Y63521</u>
<u>21-Y62288</u>	<u>45-Y63522</u>
<u>22-Y62289</u>	<u>46-Y63523</u>
<u>23-Y62290</u>	<u>47-Y63524</u>
<u>24-Y62291</u>	<u>48-Y63525</u>
<u>25-Y62292</u>	<u>49-Y63526</u>
<u>42-Y63519</u>	<u>50-Y63527</u>

* 4 years credit for each claim3. The following is a detailed statement of such work: (Set out full particulars of the work done
in the twelve months in which such work is required to be done, as shown by Section 53.)

See "Report on Diamond Drill Program, Comanche 1-52
Mineral Claims," by A.R. Archer P. Eng 6 Aug. 74.
and Drill Hole Schedule.

<u>Hole C4</u>	<u>Representation Credit</u>	<u>\$8304.25</u>
	<u>Less Group 3</u>	<u>6400.00</u>
	<u>Balance Group 3</u>	<u>\$1904.25</u>

Sworn before me at Whitehorse, Yukonthis 7 day of August 19 74

M.P. Phillips
M.P. Phillips Applicant.

A Commissioner for Oaths for Yukon Territory.

SHOW DATES WORK COMMENCED AND ENDED ON
CLAIMS HAVING DIFFERENT ANNIVERSARY DATES



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate, with sketch showing location of work.)



OFFICE DATE STAMP

I (Name) M. P. PhillipsOccupation Geologist

(Postal Address)

Box 4127, Whitehorse Yukon.

MAKE OATH AND SAY, THAT:-

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)Comanche 38 - Y63515Group 4.situated at Minto area Claim Sheet No. 115-I-11
in the Whitehorse Mining District, to the value of at least \$2000.00
dollars, since the 13 day of May 19 74.

to represent the following mineral claims under the authority of Grouping Certificate No. _____

(Here list claims to be renewed in numerical order, by number and name, showing renewal period requested).

* Comanche 37 - Y63514
38 - Y63515
39 - Y63516
40 - Y63517
41 - Y63518* 4 years credit for each claim3. The following is a detailed statement of such work: (Set out full particulars of the work done
in the twelve months in which such work is required to be done, as shown by Section 53.)See "Report on Diamond Drill Program, Comanche 1-52.
Mineral Claims," by A.R. Archer, P. Eng., 6 Aug 74
and Drill Hole Schedule.

Hole C5 Representation Credit	\$5236.35
Less Group 4	<u>2000.00</u>
Balance Group 4	\$3236.35

Sworn before me at

Whitehorse Yukonthis 7 day ofAugust19 74A. And.

Notary Public

M. P. Phillips Applicant.



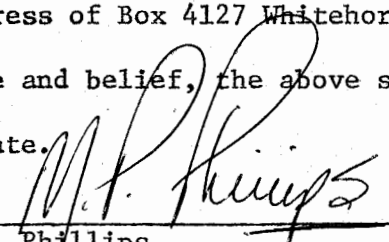
DRILL HOLE SCHEDULE
Comanche Claims
1151/11
Drill Program May 18-June 22, 1974

<u>Hole No.</u>	<u>Claim Location</u>	<u>Footage</u>	<u>Cost/Foot</u>	<u>Representation Credit</u>
C1	Comanche 1-Y62268	1000	\$14.75	\$14,750.00
C2	Comanche 1-Y62268	280	\$14.75	\$ 4,130.00
C3	Comanche 1-Y62268	595	\$14.75	\$ 8,776.25
C4	Comanche 5-Y62272	563	\$14.75	\$ 8,304.25
C5	Comanche 38-Y63515	355	\$14.75	\$ 5,236.25

Attached to this schedule are the drill contractor's statements for Holes C2, 3, 4 and 5.

AFFIDAVIT

I, M.P. Phillips, with business address of Box 4127 Whitehorse, hereby declare that, to the best of my knowledge and belief, the above schedule for drilling on the Comanche claims is accurate.



M.P. Phillips

Signed before me at
Whitehorse this 7
day of August, 1974



Notary Public

General Drilling Ltd.,
Room 2, 203A Main Street,
Whitehorse, Yukon Y1A 2B2

11th June, 1974.

Archer, Cathro & Associates,
685 Two Bentall Centre,
555 Burrard Street,
Vancouver 1, B.C.

Yukon Gold Placers Ltd & Pinnacle Mines Ltd.

Comanche

To drilling at above location

280 ft. @ \$14.75 per ft. CZ

\$4,130.--

approved for payment
H. H. H.

Copies mailed 14 June

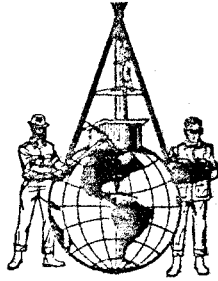
[illegible]

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04-50534

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Whitehorse, Y.T.
667-7379
049-8-215

DAILY SHIFT REPORT



JOB Cornmanche DATE June 4/74
LOCATION _____ SHIFT Day
RIG NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH Cased	CASING SIZE
<u>2,2</u>	<u>90</u>	<u>A.W.</u>		<u>130</u>	<u>185</u>	<u>50</u>		<u>185</u>	<u>A.W.</u>

			HRS.	MIN.	DAILY TIME REPORT			
					NAME	GRADE	TIME	
1	MOVING							
2	CORE DRILLING				<u>L. BOILEY</u>	<u>Runner</u>	<u>10</u>	
3	NON-CORE DRILLING				<u>R. LEBLANC</u>	<u>Runner</u>	<u>10</u>	
4	STAND PIPING							
5	CASING							
6	MAINTENANCE & REPAIRS				BIT REPORT			
7	CEMENTING				BIT			
8	SAMPLING				TYPE	NO.	SIZE	FROM TO TOTAL
9	TESTING					<u>256138.0</u>	<u>130</u>	<u>205</u> <u>75</u>
10	WATER SUPPLY							
11	TRAVELLING TIME PAID							
12	STAND BY TIME							
13	TIME NOT ACC'NTED ABOVE							
TOTAL								
TRACTOR TIME					EQUIPMENT TO BE INVOICED TO JOB:			

REMARKS
7 hours Drilling Casing
3 hours Drilling

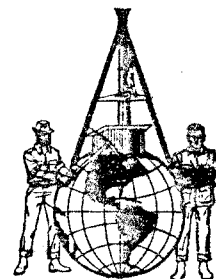
FOREMAN L. Boileau
ENGINEER M. L. Lefebvre

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DAILY SHIFT REPORT



JOB Comanche DATE 3rd June 1974
LOCATION MINITO SHIFT DAY
RIG NO. 2 DRILL MODEL 24 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
2C	90°	BQ	Overburden	130	138	8	—	132	BW

			HRS.	MIN.	DAILY TIME REPORT				
					NAME	GRADE	TIME		
1	MOVING								
2	CORE DRILLING				R Leblanc	R	8		
3	NON-CORE DRILLING				R HELFESTEIN	H	8		
4	STAND PIPING								
5	CASING		14						
6	MAINTENANCE & REPAIRS		1						
7	CEMENTING								
8	SAMPLING								
9	TESTING								
10	WATER SUPPLY		1						
11	TRAVELLING TIME PAID								
12	STAND BY TIME								
13	TIME NOT ACC'NTD ABOVE								
TOTAL			16						

TRACTOR TIME	2		EQUIPMENT TO BE INVOICED TO JOB:						
--------------	---	--	----------------------------------	--	--	--	--	--	--

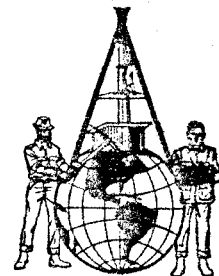
REMARKS									
Pumped heavy mud in hole					used hose clamps				
pulled tri cone out shoe					used hose washers				
down to 129 holed									
to 132					4 bags quick tool				
Core bble to 138 - boulders					2 1/2 bags quick gol				
Charged oil in supply pump					1 bble gasoline				
repaired hose line					1 bble diesel fuel				
					FOREMAN <u>R. Leblanc</u>				
					ENGINEER				

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DAILY SHIFT REPORT



JOB Comanche DATE 2 June 1961
LOCATION Manito SHIFT NIGHT
RIG NO. 2 DRILL MODEL 38 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
2 C	90°	BQ	Quartzite	115	130	15			2 1/2
			Quartzite	0	30				NW

	HRS.	MIN.	DAILY TIME REPORT						
			NAME			GRADE	TIME		
1 MOVING			R Lohman			R	10		
2 CORE DRILLING			D Villanueva			H	10		
3 NON-CORE DRILLING									
4 STAND PIPING									
5 CASING	20		R Hennessey			R	9		
6 MAINTENANCE & REPAIRS			BIT REPORT						
7 CEMENTING			BIT						
8 SAMPLING			TYPE		NO.	SIZE	FROM	TO	TOTAL
9 TESTING			Shoe			NW	0	30	30
10 WATER SUPPLY			Tricone			B	115	130	15
11 TRAVELLING TIME PAID									
12 STAND BY TIME									
13 TIME NOT ACC'NTED ABOVE	9								
TOTAL	28								

TRACTOR TIME	HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:					
REMARKS			10 bags of bit					
			8 bags of bit					

As a

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[illegible]

TRACTOR TIME		EQUIPMENT TO BE INVOICED TO JOB:	
REMARKS	Going Good to 90 ft.	3 bags	Quick tool.
	WATER in hole wasted soon	2 bags	Gravel
	out.		
	Tried Shovel to 45		
	Gravel and Sand.		
	Laporte Quit at 11:00 AM.		

ENGINEER

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JOB Commerce DATE 1 June 1974
LOCATION MINTO SHIFT NIGHT
RIG NO. 2 DRILL MODEL 38 JOB NO. 2

		HRS.	MIN.	DAILY TIME REPORT					
				NAME			GRADE	TIME	
1	MOVING	8		R Leblanc			R	8	
2	CORE DRILLING			D Villeneuve			H	8	
3	NON - CORE DRILLING								
4	STAND PIPING								
5	CASING	16		R HEFFENSTEIN			CAT	8	
6	MAINTENANCE & REPAIRS			BIT REPORT					
7	CEMENTING			BIT			FROM	TO	TOTAL
8	SAMPLING			TYPE	NO.	SIZE			
9	TESTING			Tricone		2 7/16	0	45	
10	WATER SUPPLY								
11	TRAVELLING TIME PAID								
12	STAND BY TIME								
13	TIME NOT ACC'NTED ABOVE								
TOTAL		26							

[illegible]

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667-7379
049-8-215

[illegible][illegible]

General Drilling Ltd.

Room 2, 203A Main Street,

Whitehorse, Yukon Y1A 2B2

11th June, 1974.

Archer, Cathro & Associates,
685 Two Bentall Centre,
555 Burrard Street,
Vancouver 1, B.C.

Yukon Gold Placers Ltd. & Pinnacle Mines Ltd.

Comanche

To drilling at above location 43.

595 ft. @ \$14.75 per ft.

\$8776.25

Approved
A. H. H. 

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



JOB Cornmanche DATE June 10, 1944
 LOCATION _____ SHIFT Day
 RIG NO. 2 DRILL MODEL 34 JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT						
			NAME			GRADE	TIME		
1 MOVING			L. Bailey M. Caldwell			R. 2nd	6		
2 CORE DRILLING									
3 NON-CORE DRILLING									
4 STAND PIPING									
5 CASING									
6 MAINTENANCE & REPAIRS			BIT REPORT						
7 CEMENTING			BIT			FROM	TO	TOTAL	
8 SAMPLING			TYPE	NO.	SIZE				
9 TESTING									
10 WATER SUPPLY									
11 TRAVELLING TIME PAID									
12 STAND BY TIME									
13 TIME NOT ACC'NTED ABOVE									
TOTAL									
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:					

REMARKS

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



JOB Commercial DATE 7 June 1964
LOCATION _____ SHIFT 2nd
RIG NO. 2 DRILL MODEL 341 JOB NO. 1

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME		GRADE	TIME		
1 MOVING			R. Lablone		R	10		
2 CORE DRILLING			Larry M. Phil		H	10		
3 NON - CORE DRILLING								
4 STAND PIPING								
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING					B9	521	584	64
10 WATER SUPPLY	2							
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								

[illegible]

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



JOB Camanche DATE June 9/74
LOCATION _____ SHIFT Day
RIG NO. 2 DRILL MODEL 34 JOB NO. 2

[illegible]

		HRS.	MIN.	DAILY TIME REPORT					
1	MOVING			NAME			GRADE	TIME	
2	CORE DRILLING	9		L. Boyd			Boomer	10	
3	NON-CORE DRILLING			Mr. C. Idwell			Wagner	10.	
4	STAND PIPING								
5	CASING								
6	MAINTENANCE & REPAIRS			BIT REPORT					
7	CEMENTING			BIT			FROM	TO	TOTAL
8	SAMPLING			TYPE	NO.	SIZE			
9	TESTING								
10	WATER SUPPLY								
11	TRAVELLING TIME PAID								
12	STAND BY TIME								
13	TIME NOT ACC'NTED ABOVE								
TOTAL		9.							
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:					

REMARKS

1 hour. Pulled the Rod.	
9. hours. Dull day	

FOREMAN

ENGINEER

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DAILY SHIFT REPORT



JOB Commence DATE 8 June 74
LOCATION _____ SHIFT night
RIG NO. 2 DRILL MODEL 34 JOB NO. 9

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
C-3	50	BQ		273	447	74	74		

		HRS.	MIN.	DAILY TIME REPORT		
				NAME	GRADE	TIME
1	MOVING					
2	CORE DRILLING			R. Leblanc	R	10
3	NON-CORE DRILLING			Barry G. P. L.	H	10
4	STAND PIPING					
5	CASING					
6	MAINTENANCE & REPAIRS					
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	BIT REPORT		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

		HRS.	MIN.	EQUIPMENT TO BE INVOICED TO JOB:		
				TYPE	NO.	SIZE
7	CEMENTING					
8	SAMPLING					
9	TESTING					
10	WATER SUPPLY					
11	TRAVELLING TIME PAID					
12	STAND BY TIME					
13	TIME NOT ACC'NTED ABOVE					
TOTAL						

||
||
||

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049-8-215

DAILY SHIFT REPORT



JOB Com manche DATE June 8/74
LOCATION _____ SHIFT Day
RIG NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
<u>2-3</u>	<u>50</u>	<u>BQ</u>	<u>Broaching</u>	<u>272</u>	<u>373</u>	<u>101</u>	<u>101</u>		

		HRS.	MIN.	DAILY TIME REPORT					
				NAME		GRADE	TIME		
1	MOVING	9.		L Bailey m Caldwell					
2	CORE DRILLING								
3	NON-CORE DRILLING								
4	STAND PIPING								
5	CASING								
6	MAINTENANCE & REPAIRS			BIT REPORT					
7	CEMENTING			BIT			FROM	TO	TOTAL
8	SAMPLING			TYPE	NO.	SIZE			
9	TESTING				23616	BQ	272	330	58
10	WATER SUPPLY								
11	TRAVELLING TIME PAID								
12	STAND BY TIME								
13	TIME NOT ACC'NTED ABOVE								
TOTAL		9							
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:					

REMARKS

9. hours. Drilling
1. hour. Pulled the
Rob.

FOREMAN

ENGINEER

L. Bailey
M. Caldwell

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DAILY SHIFT REPORT



JOB Commenche DATE 7 June 1974
LOCATION _____ SHIFT Night
RIG NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
C-3	50	BW		180	210	50		30	
C-3	50	BG		207	272	65	65	55	

			HRS.	MIN.	DAILY TIME REPORT					
					NAME	GRADE		TIME		
1	MOVING									
2	CORE DRILLING		5		R. Leblanc	R		10		
3	NON - CORE DRILLING				Boroy M. Phail	H		10		
4	STAND PIPING									
5	CASING		5							
6	MAINTENANCE & REPAIRS				BIT REPORT					
7	CEMENTING				BIT			FROM	TO	TOTAL
8	SAMPLING				TYPE	NO.	SIZE			
9	TESTING					25610	B G	207	272	65
10	WATER SUPPLY									
11	TRAVELLING TIME PAID									
12	STAND BY TIME									
13	TIME NOT ACC'NTED ABOVE									
TOTAL			10							
TRACTOR TIME						EQUIPMENT TO BE INVOICED TO JOB:				

REMARKS

5 hr Drill Casing
Mix mud (2 bag and
2桶水)
to check at 260

FOREMAN

ENGINEER

[Signature]
[Signature]

2700 - 1177 W. Hastings St.
Vancouver 1, B.C.
683-7261
04-50534

Box 1858
Whitehorse, Y.T.
667-7379
049-8-215

DATE June 7/74

CATION

SHIFT 1200

NO 2

DRILL MODEL 32

JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
MOVING			NAME			GRADE	TIME	
CORE DRILLING			L. BAILY			ROUNDER	10	
NON-CORE DRILLING			M. COLDWELL			H. P. 12	10	
STAND PIPING								
CASING	7							
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING				25610	B.Q.	178	207	29
WATER SUPPLY				25610	B.Q.	212	330	50
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL	7							
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:				

REMARKS

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

2700 - 1177 W. Hastings St.
Vancouver 1, B.C.
683-7261
04-50534

Box 1858
Whitehorse, Y.T.
667-7379
049-8-215

JOB Commence DATE 6 June 74
LOCATION _____ SHIFT Night
RIG NO. 2 DRILL MODEL 34 JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
1 MOVING			NAME			GRADE	TIME	
2 CORE DRILLING			R. Leblanc			R	10	
3 NON-CORE DRILLING			~~W. Smith~~			H	10	
4 STAND PIPING			Garry McNeil					
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTD ABOVE								
TOTAL								

[illegible]

2700 - 1177 W. Hastings St.
Vancouver 1, B.C.
683-7261
04-50534

Box 1858
Whitehorse, Y.T.
667-7379
049-8-215

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			L. Bailey R. L. PLANE			Operator	10	
2 CORE DRILLING						Operator	6	
3 NON - CORE DRILLING						Helper	4	
4 STAND PIPING								
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:				

REMARKS

6 hours. Puddled The Rd
in the casing.
90. deg in hole
dr. and as for the Temperature
in the 50. deg. Hole.

FOREMAN

ENGINEER

General Drilling Ltd.
Room 2, 203A Main Street,
Whitehorse, Yukon.

25th June, 1974.

Archer, Cathro & Associates,
685 Two Bentall Centre,
555 Burrard Street,
Vancouver 1, B.C.

Yukon Gold Placers Ltd & Pinnacle Mines Ltd.

Comanche

To drilling at the above location C4

563 ft. @ \$14.75 per ft.

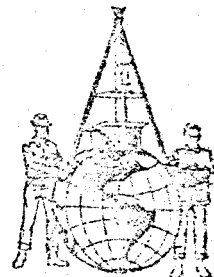
\$8304.25

approved for payment
A. A.

GENERAL DRILLING LTD.

SUITE 2,
103-A MAIN STREET,
WHITEHORSE, YUKON
77-2759 or WAREHOUSE 668-5755

DAILY SHIFT REPORT



DATE August 15, 1991
SHIFT Day
LOCATION Whitehorse
NO. 2 DRILL MODEL 100 JOB NO. 1

OLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOVERED	DEPTH CASED	CASING SIZE
1	50	2 1/2	Hard, Brownish	100	105	10	10		

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING								
CORE DRILLING	0		1. B. S.				10	
NON-CORE DRILLING			2. B. S.				10	
STAND PIPING								
CASING								
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING								
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL	0							

TRACTOR TIME 0 EQUIPMENT TO BE INVOICED TO JOB:

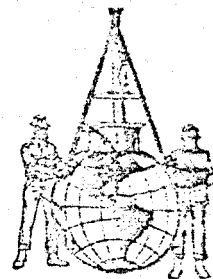
MARKS
1. General Drilling
2. Drilling Contract 1-8
3. Whitehorse
4. Drilling contract to the house
5. Drilling contract to the house

FOREMAN L. B. S.
ENGINEER

GENERAL DRILLING LTD.

SITE 2,
30-A MAIN STREET,
MILNER, YUKON
37-2969 or WAREHOUSE 688-5755

DAILY SHIFT REPORT



DATE June 12 1974
SHIFT 11-4
LOCATION General Drilling Co.
NO. 2 DRILL MODEL 34 JOB NO. 2

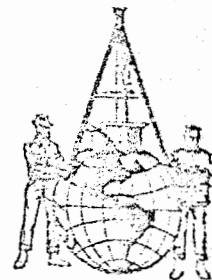
WELL NO.	ANGLE	SIZE	FORMATION	FROM	TO	FTAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
1	50	4 1/2	Hard rock	404	412	72	72		

	HRS.	MIN.	DAILY TIME REPORT			
MOVING			NAME		GRADE	TIME
CORE DRILLING			L. B. Bick			13
NON-CORE DRILLING			H. L. Bick			15
STAND PIPING						
CASING						
MAINTENANCE & REPAIRS			BIT REPORT			
CEMENTING			BIT			
SAMPLING			TYPE	NO.	SIZE	TOTAL
TESTING						
WATER SUPPLY						
TRAVELLING TIME PAID						
STAND BY TIME						
TIME NOT ACC'NTED ABOVE						
TOTAL						

TRACTOR TIME			EQUIPMENT TO BE INVOICED TO JOB:			
--------------	--	--	----------------------------------	--	--	--

REMARKS <u>10 hours Drilling</u>	
	FOREMAN <u>Louise Bick</u>
	ENGINEER

SUITE 2,
100-A MAIN STREET,
WHITEHORSE, YUKON
367-2669 or WAREHOUSE 668-5755



NAME _____ DATE _____
LOCATION _____ SHIFT _____
I NO. _____ DRILL MODEL _____ JOB NO. _____

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING			R. Polansky			R	10	
CORE DRILLING			1 1/2 Run Road			H	10	
NON-CORE DRILLING								
STAND PIPING								
CASING								
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING				2547	80	317	377	90
WATER SUPPLY						377	404	27
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTD ABOVE								
TOTAL								

TRACTOR TIME			EQUIPMENT TO BE INVOICED TO JOB:
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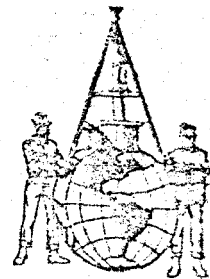
REMARKS

FOREMAN

ENGINEER

GENERAL DRILLING LTD.

SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2959 or WAREHOUSE 662-5755



DAILY SHIFT REPORT

DB Whitehorse DATE June 13, 1974
LOCATION _____ SHIFT Day
IG NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
<u>C. 4</u>	<u>50</u>	<u>20</u>	<u>Hard. Rock</u>	<u>332</u>	<u>317</u>	<u>15</u>	<u>55</u>		

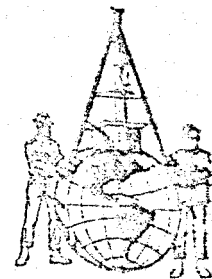
	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			1. Bailey Mr. Campbell			Runner	10	
2 CORE DRILLING						Helper	10	
3 NON-CORE DRILLING								
4 STAND PIPING								
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								

TRACTOR TIME _____ EQUIPMENT TO BE INVOICED TO JOB: _____

REMARKS 10. Hours Drilling

FOREMAN James A. Bishop
ENGINEER _____

SUITE 2,
202-A MAIN STREET,
WHITEHOUSE, YUKON
867-6680 or WAREHOUSE 668-6755



B. Coverman DATE 17 June 1964
CATION _____ SHIFT Night
G NO. 9 DRILL MODEL 34 JOB NO. 9

[illegible]

	HRS.	MIN.	DAILY TIME REPORT		
			NAME	GRADE	TIME
MOVING					
CORE DRILLING			H. L. Brown	5	10
NON-CORE DRILLING			R. McPhail	4	10
STAND PIPING					
CASING					

MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
			TYPE	NO.	SIZE			
SAMPLING								
TESTING				25649	50	119	200	319
WATER SUPPLY				1000	50	10	232	342
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTD ABOVE								
TOTAL								

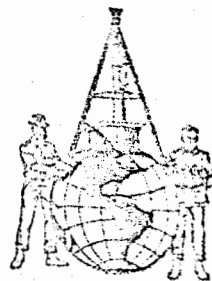
TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
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REMARKS

FOREMAN

ENGINEER

UNIT 2,
83-A MAIN STREET,
WHITEHORSE, YUKON
87-2089 or WAREHOUSE 868-5755



Camponotus sp.

EDUCATION _____ SHIFT _____

SHIFT 1200

NO. 2

DRILL MODEL 2

JOB NO. 1

[illegible]

	HRS.	MIN.	DAILY TIME REPORT		
			NAME	GRADE	TIME
MOVING					
CORE DRILLING	9		L. B. B.	Recess	10
NON-CORE DRILLING			M. C. B.	11:00	10
STAND PIPING					
CASING					

MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING								
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTD ABOVE								
TOTAL								

TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
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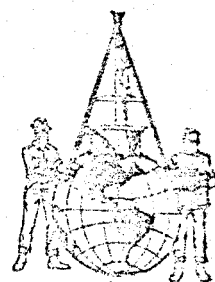
REMARKS

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

WHITE A,
208-A MAIN STREET,
WHITENORSE, YUKON
667-2909 or WAREHOUSE 668-5755



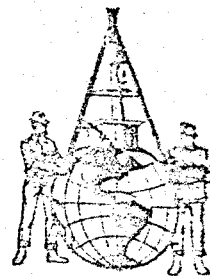
NAME Barbara DATE 11 June 64
LOCATION _____ SHIFT Night
E NO. 3 DRILL MODEL 34 JOB NO. 4

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING								
CORE DRILLING	1		H. L. L. L.			8	10	
NON-CORE DRILLING			L. L. L. L.			11	9	
STAND PIPING								
CASING	9							
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT					
SAMPLING			TYPE	NO.	SIZE	FROM	TO	TOTAL
TESTING				95 LLL	20	10	10	9
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL								

[illegible]

SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2066 or WAREHOUSE 668-5753



3 6-17-27 11470

DATE March 11 194

LOCATION

SHIFT Day

G NO. 2

DRILL MODEL 34

JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			L. Bailey			Boiler	10	
2 CORE DRILLING			R. Lillman			Boiler	10	
3 NON-CORE DRILLING			Mr. Caldwell			Helper	10	
4 STAND PIPING			A. McCulloch			Helper	5	
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								

TRACTOR TIME			EQUIPMENT TO BE INVOICED TO JOB:
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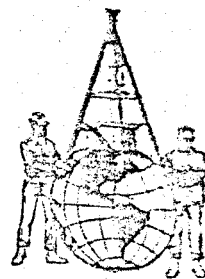
REMARKS

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

SUITE 2,
200-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5735



NAME Common DATE 10/1/50
LOCATION Common SHIFT 1st
G NO. 2 DRILL MODEL 70 JOB NO. 1

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING								
CORE DRILLING			<i>P. L. H. Co.</i>			<i>A</i>	<i>8</i>	
NON-CORE DRILLING			<i>B. C. O. Co.</i>			<i>A</i>	<i>5</i>	
STAND PIPING			<i>Davis and Greenfield</i>			<i>X</i>	<i>8</i>	
CASING								
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING								
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL								

[illegible]

General Drilling Ltd.
Room 2, 203A Main Street,
Whitehorse, Yukon.

25th June, 1974.

Archer, Cathro & Associates,
685 Two Bentall Centre,
555 Burrard Street,
Vancouver 1, B.C.

Yukon Gold Placers Ltd & Pinnacle Mines Ltd.

Comanche

To drilling at the above location C5.

355ft. @ \$14.75 per ft.

\$5236.25

lost invoice
- hold for land use letter -

letter received

Approved

A. H. [Signature]

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



JOB Comanche. DATE June 29/77
 LOCATION _____ SHIFT Day.
 I/O NO. 9 DRILL MODEL 34 JOB NO. 9

[illegible]

	HRS.	MIN.	DAILY TIME REPORT		
			NAME	GRADE	TIME
1 MOVING					
2 CORE DRILLING	4		L. B. G. L.	R	4
3 NON-CORE DRILLING			R. L. B. INC.	R	4
4 STAND PIPING					
5 CASING					

6	MAINTENANCE & REPAIRS			BIT REPORT					
7	CEMENTING			BIT			FROM	TO	TOTAL
8	SAMPLING			TYPE	NO.	SIZE			
9	TESTING								
10	WATER SUPPLY								
11	TRAVELLING TIME PAID	4.							
12	STAND BY TIME								
13	TIME NOT ACC'NTD ABOVE								
	TOTAL	8.							

TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
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REMARKS

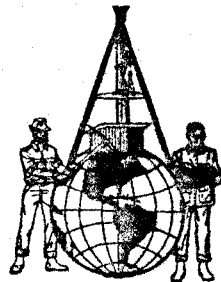
EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

GENERAL DRILLING LTD.

SITE 2,
1-A MAIN STREET,
WHITEHORSE, YUKON
7-2969 or WAREHOUSE 668-5755



DAILY SHIFT REPORT

Canmanche DATE June 21/74
LOCATION _____ SHIFT Day
NO. 2 DRILL MODEL 34 JOB NO. 2

OLE O.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
5.	50	80	Brasswing	230	320	100	110		

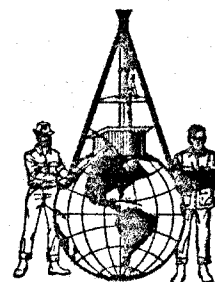
	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING			L. Bailey			B	10	
CORE DRILLING			R. L. P. B. N. C.			B	10	
NON - CORE DRILLING								
STAND PIPING								
CASING								
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
SAMPLING			TYPE	NO.	SIZE			
TESTING								
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL								

TRACTOR TIME	EQUIPMENT TO BE INVOICED TO JOB:			
<u>1 hour Repair For</u> <u>the power</u> <u>line Drilling</u>				
	FOREMAN	<u>L. Bailey</u>		
	ENGINEER	<u>[Signature]</u>		

GENERAL DRILLING LTD.

SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755

DAILY SHIFT REPORT



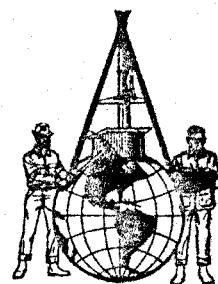
DB Commander DATE June 21/74
LOCATION _____ SHIFT Day
G NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
1	50	80	Brackling	330	330	100	110		

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			L. Bailey			R	10	
2 CORE DRILLING			R. LEALONC.			R	10	
3 NON-CORE DRILLING								
4 STAND PIPING								
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								

TRACTOR TIME	EQUIPMENT TO BE INVOICED TO JOB:	
REMARKS		
<u>Major Repair For</u> <u>The Drilling</u> <u>of the Drilling</u>		
FOREMAN <u>L. Bailey</u>		
ENGINEER <u>[Signature]</u>		

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 669-5755**



DB Carmananche DATE June, 1974
LOCATION _____ SHIFT _____
G NO. 2 DRILL MODEL 34 JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			L. BOILEY				10	
2 CORE DRILLING			R. LEBLANC.				10	
3 NON-CORE DRILLING								
4 STAND PIPING								
5 CASING								
6 MAINTENANCE & REPAIRS			BIT REPORT					
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
0 WATER SUPPLY								
1 TRAVELLING TIME PAID								
2 STAND BY TIME								
3 TIME NOT ACC'NTD ABOVE								
TOTAL								

TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
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EMARKS

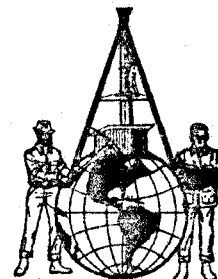
10 hours drilling

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



B 0227 22 0227 0227 0227

DATE June 18/74

ICATION

SHIFT 1200

G NO. 2

DRILL MODEL 32

JOB NO. 100

[illegible]

	HRS.	MIN.	DAILY TIME REPORT						
1 MOVING	7		NAME			GRADE		TIME	
2 CORE DRILLING			L. Bailey					10	
3 NON-CORE DRILLING			A. L. G. E. W. C.					10	
4 STAND PIPING									
5 CASING									
6 MAINTENANCE & REPAIRS	1.		BIT REPORT						
7 CEMENTING			BIT			FROM	TO	TOTAL	
8 SAMPLING			TYPE	NO.	SIZE				
9 TESTING									
10 WATER SUPPLY									
11 TRAVELLING TIME PAID									
12 STAND BY TIME									
13 TIME NOT ACC'NTED ABOVE									
TOTAL	10								

TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
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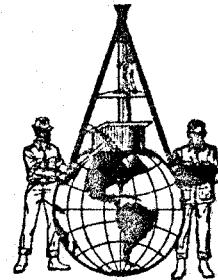
REMARKS

EQUIPMENT TO BE INVOICED TO JOB:

FOREMAN

ENGINEER

**SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755**



B Commence DATE June 17/74
CATION _____ SHIFT Day
G NO. 9 DRILL MODEL 74 JOB NO. 2

[illegible]

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
MOVING	10		1. Drill				10	
CORE DRILLING			H. 1.5 2. 1.5 3. 1.5				10	
NON-CORE DRILLING								
STAND PIPING								
CASING								
MAINTENANCE & REPAIRS			BIT REPORT					
CEMENTING			BIT			FROM	TO	TOTAL
			TYPE	NO.	SIZE			
SAMPLING								
TESTING								
WATER SUPPLY								
TRAVELLING TIME PAID								
STAND BY TIME								
TIME NOT ACC'NTED ABOVE								
TOTAL	10							

TRACTOR TIME				EQUIPMENT TO BE INVOICED TO JOB:
--------------	--	--	--	----------------------------------

10. *Lawsonia* *gambusia*
from the Gulf of Aden
at the bottom of the sea.

FOREMAN

ENGINEER

GENERAL DRILLING LTD.

SUITE 2,
203-A MAIN STREET,
WHITEHORSE, YUKON
667-2969 or WAREHOUSE 668-5755

DAILY SHIFT REPORT



JOB Comanche DATE June 16, 1974
LOCATION _____ SHIFT Day
G NO. 2 DRILL MODEL 34 JOB NO. 2

HOLE NO.	ANGLE	SIZE	FORMATION	FROM	TO	F'TAGE DRILLED	CORE RECOV'D	DEPTH CASED	CASING SIZE
1	50	800							
2									
3									
4									
5									
6									
7									
8									
9									
10									

	HRS.	MIN.	DAILY TIME REPORT					
			NAME			GRADE	TIME	
1 MOVING			L. Bailey				10.	
2 CORE DRILLING							10	
3 NON - CORE DRILLING							10	
4 STAND PIPING								
5 CASING			BIT REPORT					
6 MAINTENANCE & REPAIRS								
7 CEMENTING			BIT			FROM	TO	TOTAL
8 SAMPLING			TYPE	NO.	SIZE			
9 TESTING								
10 WATER SUPPLY								
11 TRAVELLING TIME PAID								
12 STAND BY TIME								
13 TIME NOT ACC'NTED ABOVE								
TOTAL								

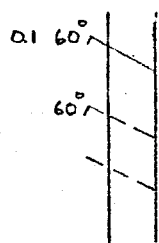
TRACTOR TIME					EQUIPMENT TO BE INVOICED TO JOB:	
REMARKS						
10. hours. Spacing.						

LEGEND

DRILL HOLE GEOLOGIC LOG

1 STRUCTURE AND ALTERATION = STRUCTURE AND ROCK TYPE

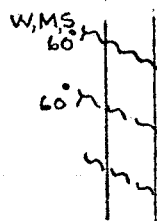
(1) STRUCTURE



CONTACT - DEFINED, DIP AND WIDTH IN FEET

DIP KNOWN, ORIENTATION TO FOLIATION UNKNOWN

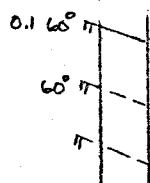
DIP AND ORIENTATION TO FOLIATION UNKNOWN



FAULT - DEFINED, INTENSITY W=WEAK, M=MODERATE, S=STRONG

DIP KNOWN, ORIENTATION TO FOLIATION UNKNOWN

DIP AND ORIENTATION TO FOLIATION UNKNOWN



WHITE BANDS (WB) = APLITE - PEGMATITE DIKES

DEFINED, DIP AND WIDTH IN FEET

DIP KNOWN, ORIENTATION TO FOLIATION UNKNOWN

DIP AND ORIENTATION TO FOLIATION UNKNOWN

(2) ROCK TYPE

TERTIARY CARMACKS VOLCANICS

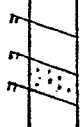


ANDESITE



DACITE

CRETACEOUS APLITE - PEGMATITE DIKES = WHITE BANDS (WB)



TRIASSIC KLOTASSIN BATHOLITH

WALL ROCK

DIORITE



GRANODIORITE



GNEISSIC ZONES

FINE GRAINED

MEDIUM - COARSE GRAINED

2 CONTACTS AND PRINCIPAL ZONES

OVB = OVERBURDEN

SUP = SUPERGENE

FRX = FRESH

3 BOTTOM OF INTERVAL DESCRIBED4 RECOVERY = CORE RECOVERED5 STRUCTURE

(1) FRC/FT = FRACTURES PER FOOT

< 30°

30-60°

NOT USED

60-90°

(2) AMT = AMOUNT = RELATIVE ABUNDANCE

N = NIL

L = LOW

F = FAIR

M = MEDIUM

A = ABOVE MEDIUM

H = HIGH

X = EXTREMELY HIGH

(3) W = FOLIATION

ANGLE = ANGLE TO CORE AXIS

INTENSITY = RELATIVE ABUNDANCE

6 BX = BIOTITE/HORNBLENDE MINERAL COMBINATION

BX = PROPORTIONS UNSPECIFIED

BI = BIOTITE ALONE

B> = BIOTITE GREATER THAN HORNBLENDE

B# = BIOTITE EQUALS HORNBLENDE

B< = BIOTITE LESS THAN HORNBLENDE

Hφ = HORNBLENDE ALONE

7 TEXTURE

W = FOLIATED

E = EQUIGRANULAR

8 GRAIN SIZE

3 = FINE GRAINED

3-5 = FINE-MEDIUM GRAINED

5 = MEDIUM GRAINED

6 = MEDIUM-COARSE GRAINED

7 = COARSE GRAINED

9 ROCK TYPE

DIφR = DIORITE

GRDR = GRANODIORITE

ANDS = ANDESITE

PPRY = PORPHYRY

APLT = APLITE

10 ALTERATION ASSEMBLAGE

(1) MINERAL

QZ = QUARTZ

KF = K-SPAR = ORTHOCLASE

BI = BIOTITE

MU = SERICITE

PY = PYRITE

CY = CLAY

CL = CHLORITE

EP = EPIDOTE

CB = CARBONATE

MG = MAGNETITE

(2) MODE OF OCCURANCE

V	VEINS
E	ENVELOPES
P	PERVASIVE
2	VEINS & ENVELOPES
3	VEINS & PERVASIVE
4	ENVELOPES & PERVASIVE

(3) AMT = AMOUNT = RELATIVE ABUNDANCE -SEE 5(2)

TWO LETTER MINERAL CODE

FL	=	FELOSPAR
PF	=	PLAGIOCLASE
HB	=	HORNBLENDE
WB	=	WB = WHITE BAND
Bφ	=	BORNITE
CP	=	CHALCOPYRITE
Mφ	=	MALACHITE
AZ	=	AZURITE
Mφ	=	MOLYBDENITE
GA	=	GARNET
GY	=	GYPSUM
HE	=	HEMATITE
LA	=	LAUMONTITE

ONE, THREE AND FIVE CHARACTER CONTRACTIONS

CNT, CNTS	=	CONTACT, CONTACTS
⊥	=	ANGLE TO FOLIATION
, W	=	PARALLEL TO FOLIATION
FRC	=	FRACTURE
ZEN	=	ZENOLITH

PEG	= PEGMATITE
FLT	FAULT
LEUCO	LEUCOCRATIC = LIGHT COLORED
SHR	SHEARED
CULI	COPPER LIMONITE
DYK	DIKE
MAF	MAFIC
>	GREATER THAN
<	LESS THAN
∠	ANGLE TO CORE AXIS
SUP	SUPERCENE
REC	RECOVERY
POK	POIKILITIC
ALT	ALTERED
D	DISSEMINATED
PHN	PHENOCRYSTS
PORPH	PORPHYRITIC
TEX	TEXTURE
L	LIGHT
D	DARK

HOLE NUMBER C1

LOGGED BY: M. P. PHILLIPS DATE: MAY 25-28 1974 PAGE 1 OF 16

[illegible]

HOLE NUMBER C1

PAGE 2 OF 16

[illegible]

HOLE NUMBER C 1

PAGE 3 OF 16

... DATE

[illegible]

HOLE NUMBER C1

PAGE 4 OF 16

HOLE NUMBER C 1

DATE _____

PAGE 5 OF 16

Geological log of well No. 1, showing depth from 0 to 350.2 feet. The log includes a 'CORE' section from 0 to 100 feet, a 'STRUCTURE AND/OR ALTERATION' section from 100 to 300.2 feet, and a 'TYPE' section from 300.2 to 350.2 feet. The log is divided into three columns: 'DEPTH', 'DESCRIPTION', and 'REMARKS'. The 'DEPTH' column shows depths from 0 to 350.2 feet. The 'DESCRIPTION' column shows lithology and structural features. The 'REMARKS' column shows dip and core type. The log is filled with a pattern of stars and crosses.

DEPTH	DESCRIPTION	REMARKS
0		
100		
200		
300.2		
306.5		
309.4		
312.2		
316.0		
321.1		
323.4		
340.5		
350.2		

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DATE: _____

PAGE 7 OF 16

DATE _____

[illegible]

HOLE NUMBER C1

DATE:

PAGE 8 OF 16

DIP	AZIM.	TYPE OF HOLE: DDH ☐ RDH ☐ PDH ☐	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE		HOST		ROCK		ALTERATION										ASSEMBLAGES										MINERALIZATION																																
						FRC / FT	W	BX	ROCK TYPE	USE 4-LETTER CODE	QUARTZ	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CAR-BONATES	OTHER	OTHER	PY	BØ	CP	MC	AZ	CU LI	MG	HE																																			
																														430°	30-60°	60-90°	AMT	ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS ELEMENTS OR MINERALS																																																																
489.7 FRX 4.90 10 60 F BK W6 D1 Ø R PL N PF V L3 FV L P F 493.6 SINCE PPRY-W 491.5 VEP+QZ 496.0 5.00 10 60 F PF PF 514.0 CNT W7/W6 AT 520FT FLT?? 509.5 514.0 PINK FL (KF?) + FRC-EP CL=H 515.5 514.0 515.5 FRC=H FLT-B Ø-70° W5 CLICK CL=H 518.0 515.5 518.0 HAIRLIKE CRACKS PINK FL-FLOOD=W CL=H 520.0 518.0 520.0 FLT-W=25° HIGHLY FRC CB+CY 523.3 520.0 523.3 AT 520 START FRC EL BLEACH 2P 523.3 524.0 LEUCO BT W(H) D1 Ø R MG+P TR-CP+PY 524.0 COMMON AROUND FRC 524.0 0.2' FRC PINK FL (KF?) - VEP 530 530 530 60 F BK W6 PF PF 540 540 540 60 F PF PF																																																																

PAGE 9 OF 16

DATE:

[illegible]

PAGE 10 OF 16

DATE:

DIP	AZIM.	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST	ROCK	ALTERATION																ASSEMBLAGES										MINERALIZATION														
				FRC / FT	W			BX	ROCK TYPE	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CARBONATES	OTHER	OTHER	PY	BØ	CP	MC	AZ	CU	MG	HE																					
																												RECOVERY	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT	MODE AMOUNT
ESTIMATES & ASSAYS																																																
ELEMENTS OR MINERALS																																																
602.0								602.5 - 605.0 FLT D° - FRC = A CL = A																																								
605.0								506.5 - 606.0 W(F) BI DIOR																																								
606.3								606.3 - 608.4 W3 OCC 5 BI CL to H DIOR - CP & PY < 0.3% CU																																								
608.4								608.4 - 610.0 W(M-A) BI DIOR OCC WISPS PARTING W(H) BI (HCH) DIOR																																								
								FRC 610 10 50 F B> W6 DIOR PL N PA PH																																								
								OCC BANDS < 0.1 W(F) B> DIOR																																								
								618.0 - 619.0 FRC BRIGHT PINK GA? FILLED FRC																																								
618.0								620 10 60 F PA																																								
623.4								620 - 20° NW - 623.4 - 35° NW = DYE - DARK GREEN HB ANDS PIRBY TO 646.8																																								
								623 - START W(M-A) W6 BI B2 DIOR WITH WISPS & NARROW BANDS BI W(H) DIOR. DEVENTR. CP																																								
								630 10 60 F PA																																								
								634.0 - 636.0 20° BP-V ENVELOPES BLEACHED PINKISH FL WITH PEP																																								
								640 10 60 M PF																																								
644.0								AT 646.8 W = M-A W(M-A) BI (HB) G DIOR WITH PARTING & WISPS OF W3 BI DIOR																																								
645.0								644.0 - 645 - FRC = H CY + CL = H - FLT = S - WEATHERED TO 646.8																																								
646.8								650 10 60 F PF																																								
								660 10 60 F PF																																								

PAGE 12 OF 16

DATE:

[illegible]

PAGE 14 OF 16

DATE: _____

HOLE NUMBER C1

PROPERTY:

LOGGED BY:

DATE _____

PAGE 15 OF 16

[illegible]

HOLE NUMBER C1

PROPERTY:

LOGGED BY:

DATE: _____

PAGE 16 OF 16

[illegible]

HOLE NUMBER C2

PAGE 1 OF 2

[illegible]

DRILL HOLE GEOLOGIC LOG

HOLE NUMBER C2

COMPANY:

PROPERTY:

LOGGED BY:

DATE:

PAGE 2 OF 2

DIP	AZIM	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST ROCK		ALTERATION										ASSEMBLAGES										MINERALIZATION																															
					RECOVERY	FRC / FT	W	BX	ROCK TYPE	USE 4-LETTER CODE	QUARTZ QZ	K-SPAR KF	BIO-TITE BT	SERICITE SM	PYRITE PY	CLAYS CY	CHLORITE CL	EPI-DOTE EP	CARBONATES CB	OTHER MG	OTHER	PRINCIPAL FACIES	INTENSITY	PY	BØ	CP	MC	AZ	CU	LI	MG	HE																												
																																	430°	30°-60°	60°-90°	AMT	ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	MODE OF OCCURRENCE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE
					241.8 - 25° - 0.2 HB to 40%																																																							
					243 VEP=H																																																							
					LIGHTER COLOR B7 TO DARKER B8																																																							
					FRX. 250 10										B7 W6 G R D R P M N P F										V L P F V L P F																																			
					260 97																				F																																			
					265.5-268.0 - FAULT ZONE CRUMBLY AT 266 = FAULT MUD = S																																																							
					270 110																				P L																																			
					280.0																				P L																																			
					285.5																				FOLIATION ATTITUDES																																			
					185 - 188										NO OF MEASUREMENTS										RANGE										AV.																									
					- 108										3										40°-45°										43°																									
					280 110										245										10										40°-55°										46°															
					216										NIL																																													
					224										24										35°-60°										43°																									
					231										2										40°-50°																																			
					234										9										40°-45°										44°																									
					244										7										40°-45°										44°																									
					256										9										35°-45°										42°																									
					260										12										35°-45°																																			
					268										2										45°-50°																																			
					280										8										30°-40°																																			
															8										35°-50°																																			

HOLE NUMBER C3

COMPANY: PINNACLE MINES-YUKON GOLD PROPERTY: COMANCHE CLS 115-11 LOGGED BY: M.P. PHILLIPS DATE: JUNE 9-10, 1974

PAGE 1 OF 8

[illegible]

HOLE NUMBER C3

DATE:

PAGE 2 OF 8

HOLE NUMBER C3

PROPERTY:

LOGGED BY:

DATE: 11/11/68

PAGE 3 OF 8

[illegible]

HOLE NUMBER C3

PAGE 4 OF 8

PROPERTY:

LOGGED BY:

DATE:

DIP	AZIM.	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE		HOST	ROCK	ALTERATION														ASSEMBLAGES										MINERALIZATION																
					FRC	W			BX	ROCK TYPE	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CAR-BONATES	OTHER	OTHER	PY	Bφ	CP	MC	AZ	CU	MG	HE																					
																													4-LETTER CODE	MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS																																																	
ELEMENTS OR MINERALS																																																	
306.6																																																	
307.3																																																	
309.1																																																	
318.5																																																	
322.0																																																	
330.8																																																	
331.8																																																	
335.8																																																	
340																																																	
350																																																	
360																																																	

PAGE 5 OF 8

DATE _____

[illegible]

HOLE NUMBER C3

PROPERTY:

LOGGED BY:

DATE _____

PAGE 6 OF 8

DIP	AZIM.	TYPE OF HOLE: DDH RDH PDM	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST	ROCK	ALTERATION										ASSEMBLAGES										MINERALIZATION																													
					FRC/FT	W			BX	ROCK TYPE	USE 4-LETTER CODE	QUARTZ	K-SPAR	BIO-TITE	SERI-CITE	PYR-ITE	CLAYS	CHLOR-ITE	EPI-DOTE	CAR-BON-ATES	OTHER	OTHER	PRINCIPAL FACIES	INTENSITY	PY	BΦ	CP	MC	AZ	CU LI	MG	HE																										
																																	RECOVERY	ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS																																																										
ELEMENTS OR MINERALS																																																										
426.2																																																										
427.8																																																										
428.8																																																										
430.0																																																										
443.0																																																										
447.0																																																										
456.0																																																										
458.0																																																										
473.0																																																										
480.0																																																										

DRILL HOLE GEOLOGIC LOG

HOLE NUMBER **C3**

COMPANY:

PROPERTY:

LOGGED BY:

DATE:

PAGE **7** OF **8**

DIP	AZIM.	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE		HOST	ROCK	ALTERATION										ASSEMBLAGES										MINERALIZATION																									
						FRC / FT	W			BX	ROCK TYPE	QUARTZ OZ	K-SPAR KF	BIO-TITE BT	SERICITE MU	PYRITE PY	CLAYS CY	CHLORITE CL	EPI-DOTE EP	CAR-BON-ATES CB	OTHER MG	OTHER MG	PY	BØ	CP	MC	AZ	CU LI	MG	HE																									
																															RECOVERY	ANGLE INTENSITY	COLOR	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT	MODE AMT			
																																																					430°	30°-60°	60°-90°
ESTIMATES & ASSAYS																																																							
ELEMENTS OR MINERALS																																																							
VISUAL ESTIMATES																																																							
ACTUAL ASSAYS																																																							
FRX					490	90	0	55	F	B<	W	6	G	R	D	R	P	F	N	P	F	V	L	P	F	V	L	P	L																										
497.2 - 0.3' 65° LW = WB																																																							
VISUAL																																																							
ACTUAL																																																							
500.8					500	10	0	50	F	B<											P	M											P	L																					
504.5					500.8 - 0.2' 65° LW = WB																																																		
506.8					504.5 - 0.4' 65° LW = WB																																																		
506.8 - 40° 0.1' MYL? EP = F																																																							
506.0 - 507.0 - HAIRLIKE MYL - PINKING																																																							
VISUAL																																																							
ACTUAL																																																							
517.9					510	9	8	55	F	B<											P	F											P	L																					
517.9 - 0.1' 65° LW = WB																																																							
520.1					520	10	0	55		B<											P	F											P	F																					
527.7																																																							
528.1																																																							
530.3					527.7 - 50° LW = WB - 0.2'																																																		
534.1					528.1 - 80° LW = WB - 0.4'																																																		
530.3 - 30° LW - 534.1 - 50° LW = WB																																																							
BTM 1.5' FRC & CB																																																							
VISUAL																																																							
ACTUAL																																																							
540.9					540	9	7	50		B<											P	L											P	L																					
540.9 - 0.1' 65° LW = WB																																																							

DRILL HOLE GEOLOGIC LOG

HOLE NUMBER C3

COMPANY:

PROPERTY:

LOGGED BY:

DATE:

PAGE 8 OF 8

DIP	AZIM.	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE			HOST	ROCK	ALTERATION														ASSEMBLAGES										MINERALIZATION																	
						FRC	W	BX			ROCK TYPE	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CAR-BONATES	OTHER	OTHER	PY	Bφ	CP	MC	AZ	CU	LI	MG	HE																						
																															ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
AFTER 543 - DISTINCTIVE W6 D1 0 R PL N PL																																																				
554.0 - 0.4 50° W = WB																																																				
559.2 - 0.2 75° W = WB																																																				
569 BTM CNT W7																																																				
570.3 - 0.2 50° W = WB																																																				
# A																																																				
B<W6 G R D R P M P L P F V L 3 F V L P L																																																				
585.5 - 586.0 - GOUGE - FET = M-H - 30°																																																				
586.0 - 589.0 - SAR PINKING 2 CL = H. EP																																																				
589.0 - 595.0 - CORE TUBE NOT LOCKED																																																				
590.5 - 595 - PINKING XEP																																																				
NOTE QB																																																				
END 595.2.2																																																				

HOLE NUMBER C4

PROPERTY: COMANCHE CLS 115-I-11

LOGGED BY: M. P. PHILLIPS DATE: JUNE 15 1974

PAGE 1 OF 10

[illegible]

HOLE NUMBER C4

PROPERTY:

LOGGED BY:

DATE:

PAGE 2 OF 10

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DRILL HOLE GEOLOGIC LOG

HOLE NUMBER **C4**
PAGE **3** OF **10**

COMPANY:

PROPERTY:

LOGGED BY:

DATE:

DIP	AZIM.	TYPE OF HOLE: DDH ☐ RDH ☐ PDH ☐	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST	ROCK	ALTERATION										ASSEMBLAGES										MINERALIZATION																												
					FRC / FT	W			BX	ROCK TYPE	K-SPAR	BIO-TITE	SERI-CITE	PYR-ITE	CLAYS	CHLOR-ITE	EPI-DOTE	CAR-BON-ATES	OTHER	OTHER	PY	BØ	CP	MC	AZ	CU LI	MG	HE																													
																													RECOVERY	ANGLE INTENSITY	COLOR	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.	MODE AMT.										
																																																30°-60°	60°-90°	AMT.							
ESTIMATES & ASSAYS ELEMENTS OR MINERALS					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
50' 120.0 STRUCTURE AND/OR ALTERATION 50'					120.0-124.0 = FRC=A HESLK. AT 121.0 KAOLINITE FLT - 50°? NO WB'S KE=PHN																																																				
					55																																																				
					FRX 1308.5 50 F B<W6GRDRPMPMPF VLPAPL NPF																																																				
					PHN - KF? - PALE ANEMIC WHITE TO SLIGHTLY PINKISH MAY BE PF																																																				
140.0					50																																																				
					14010 60																																																				
					TOWARDS 150.5 PHN & DIA 2 FEWER IN NUMBER																																																				
					60																																																				
150.0					1508.5 50																																																				
					150.5 - 152.5 - DWR BANDS KE(?) PHN=F - B>																																																				
					152.5 - 158.5 PORPH GRDE PHN F < 10MM 2 B>																																																				
					158.5 - 161.5 W(F-M) DARKER THAN TYPICAL P GRDR W BETTER NO PHN PINK																																																				
160.0					B> - LOOKS LIKE ALT WB DWR GRDR PHN? PF																																																				
					1607.5 60 M																																																				
					165.0 - 175.0 = 15' REC																																																				
					160.8 - 0.4' WB CNT GRD																																																				
165.0					70																																																				
					1703.8 50 M																																																				
					170.0 - 0.4' WB CNTS GRD																																																				
					PF																																																				
170.0					70																																																				
					1805.6 70 M																																																				
					PF																																																				
					PF																																																				
175.0					70																																																				
					PF																																																				
					PF																																																				
					PF																																																				

DRILL HOLE GEOLOGIC LOG

HOLE NUMBER **C4**

COMPANY:

PROPERTY:

LOGGED BY:

DATE:

PAGE **4** OF **10**

DIP	AZIM.	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST ROCK		ALTERATION														ASSEMBLAGES										MINERALIZATION																		
					RECOVERY	FRC / FT	W	BX	ROCK TYPE	USE 4-LETTER CODE	QUARTZ	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CARBONATES	OTHER	OTHER	PY	BØ	CP	MC	AZ	CU LI	MG	HE																						
																														MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS																																																			
ELEMENTS OR MINERALS																																																			
VISUAL ESTIMATES																																																			
ACTUAL ASSAYS																																																			
VISUAL																																																			
ACTUAL																																																			
200.0																																																			
201.0																																																			
200.0 - 201.0 = WB CNTS LOST																																																			
210.0																																																			
210.0 - 216.7 = 1 REC PATCHES WB GRD																																																			
220.0																																																			
220.0 - 232 = 1.5 REC A FRC ZONE																																																			
230.0																																																			
232.0																																																			
240.0																																																			

DRILL HOLE GEOLOGIC LOG

HOLE NUMBER C4.

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COMPANY:

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DRILL HOLE GEOLOGIC LOG

HOLE NUMBER C4
PAGE 6 OF 10

COMPANY:

PROPERTY:

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DATE:

DIP	AZIM	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST ROCK		ALTERATION										ASSEMBLAGES										MINERALIZATION																												
					RECOVERY	FRC / FT	W	BX	ROCK TYPE	USE 4-LETTER CODE	QUARTZ	K-SPAR	BIO-TITE	SERICITE	PYRITE	CLAYS	CHLORITE	EPI-DOTE	CAR-BONATES	OTHER	OTHER	PRINCIPAL FACIES	INTENSITY	PY	BØ	CP	MC	AZ	CU LI	MG	HE																										
																																ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	MODE OF OCCURRENCE	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS ELEMENTS OR MINERALS																																																									
STRUCTURE AND/OR ALTERATION 310.5 310.5 - 311.0 311.0 - 312.0 312.0 - 313.0 313.0 - 314.0 314.0 - 315.0 315.0 - 316.0 316.0 - 317.0 317.0 - 318.0 318.0 - 319.0 319.0 - 320.0 320.0 - 321.0 321.0 - 322.0 322.0 - 323.0 323.0 - 324.0 324.0 - 325.0 325.0 - 326.0 326.0 - 327.0 327.0 - 328.0 328.0 - 329.0 329.0 - 330.0 330.0 - 331.0 331.0 - 332.0 332.0 - 333.0 333.0 - 334.0 334.0 - 335.0 335.0 - 336.0 336.0 - 337.0 337.0 - 338.0 338.0 - 339.0 339.0 - 340.0 340.0 - 341.0 341.0 - 342.0 342.0 - 343.0 343.0 - 344.0 344.0 - 345.0 345.0 - 346.0 346.0 - 347.0 347.0 - 348.0 348.0 - 349.0 349.0 - 350.0 350.0 - 351.0 351.0 - 352.0 352.0 - 353.0 353.0 - 354.0 354.0 - 355.0 355.0 - 356.0 356.0 - 357.0 357.0 - 358.0 358.0 - 359.0 359.0 - 360.0 360.0 - 361.0 361.0 - 362.0 362.0 - 363.0 363.0 - 364.0 364.0 - 365.0 365.0 - 366.0 366.0 - 367.0 367.0 - 368.0 368.0 - 369.0 369.0 - 370.0 370.0 - 371.0 371.0 - 372.0 372.0 - 373.0 373.0 - 374.0 374.0 - 375.0 375.0 - 376.0 376.0 - 377.0 377.0 - 378.0 378.0 - 379.0 379.0 - 380.0 380.0 - 381.0 381.0 - 382.0 382.0 - 383.0 383.0 - 384.0 384.0 - 385.0 385.0 - 386.0 386.0 - 387.0 387.0 - 388.0 388.0 - 389.0 389.0 - 390.0 390.0 - 391.0 391.0 - 392.0 392.0 - 393.0 393.0 - 394.0 394.0 - 395.0 395.0 - 396.0 396.0 - 397.0 397.0 - 398.0 398.0 - 399.0 399.0 - 400.0																																																									

HOLE NUMBER C4

DATE: _____

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WZ 409.3

HOLE NUMBER C4

DATE: _____

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DRILL HOLE GEOLOGIC LOG

HOLE NUMBER **C4**

COMPANY:

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DIP CORE	AZIM.	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE		HOST	ROCK	ALTERATION										ASSEMBLAGES										MINERALIZATION																																	
						FRC /FT	W			BX	ROCK TYPE	QUARTZ CZ AMOUNT	K- SPAR KF MODE	BIO- TITE BI MODE	SERI- CITE MU MODE	PYR- ITE PY MODE	CLAYS CY MODE	CHLOR- ITE CL MODE	EPI- DOTE EP MODE	CAR- BON- ATES CB MODE	OTHER MG MODE	OTHER MODE	PRINCIPAL FACIES	INTENSITY	PY	Bφ	CP	MC	AZ	CU LI	MG	HE																															
																																	ANGLE INTENSITY COLOR	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE							
																																																									MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE	MODE OF OCCURRENCE
ESTIMATES & ASSAYS ELEMENTS OR MINERALS						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53					
STRUCTURE AND/OR ALTERATION																																																															
VISUAL ESTIMATES																																																															
ACTUAL ASSAYS																																																															
FRX.						490	10			50	F	B<W6 D1 & RPL		NPF											PL																																						
VISUAL																																																															
ACTUAL																																																															
500						10			55	F	B<W6 D1 & RPL		NPF											PL	PL	VLP	PL																																				
504.4																																																															
506.0																																																															
507.0																																																															
VISUAL																																																															
ACTUAL																																																															
510						10			50	F											PL																																										
VISUAL																																																															
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519.3																																																															
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VISUAL																																																															
ACTUAL																																																															
532.4																																																															
537.5																																																															
VISUAL																																																															
ACTUAL																																																															
540						10			50	F											PL																																										

0.2
6.2

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6.2

0.2
6.2

0.2
6.2

HOLE NUMBER C4

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END

HOLE NUMBER C5

PAGE 1 OF 6

DIP -50	AZIM. 000	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	STRUCTURE		HOST	ROCK	ALTERATION										ASSEMBLAGES										MINERALIZATION																							
				FRC / FT	W			BX	ROCK TYPE	K-SPAR	DIO-TITE	SERI-CITE	PYR-ITE	CLAYS	CHLOR-ITE	EPI-DOTE	CAR-BON-ATES	OTHER	OTHER	PY	Bφ	CP	MC	AZ	CU	LI	MG	HE																							
																													RECOVERY	ANGLE	INTENSITY	COLOR	TEXTURE	GRAIN SIZE	USE 4-LETTER CODE	MODE OF OCCURRENCE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT
ESTIMATES & ASSAYS		ELEMENTS OR MINERALS																																																	
VISUAL ESTIMATES		ACTUAL ASSAYS																																																	
0.0		0.4B		1.0																																															
10-31.5 - OCG CRACK		19.0 - 0.5' - WB		KF=L		COARSE TEXTURE																																													
PINKING																																																			
35																																																			
FRX		20910		30F		BLW601.5R PL		NPF				VLPL		PL																																					
MESO-MELANO, 4-5MM W-F SPHENE > EP, WHITE PAN-PF? STREAKS TO 20MM. PF-F																																																			
IN PLACES PARTING TO 2.05' WB BX(L) - QUARTZ ZONE??																																																			
OCG TO 0.2 FT BX BANDS BX=70-90%																																																			
50?1																																																			
309.5				30F																																															
31.5 - 38.0 = PINKING - A - GOOD LA DEV ON FRC, CL=A																																																			
36.5 - 44 = LEUCO W(F) BT? ALL CL GRDR																																																			
4080				25F																																															
44.0																																																			
44.0 - 47.7 = WB & LEUCO MIXED TRF-BTM CNT																																																			
45																																																			
5.07.8				35																																															
50.3 - 51.0 = WSPS OF WB BX GRDR - MC=A																																																			
56.0 & 56.5 = PINKING FRC, SNE - EP? SPHENE																																																			
BX=10% SPHENE=F																																																			
40																																																			
6010				30																																															

HOLE NUMBER 45

DATE: _____

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HOLE NUMBER C5

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DRILL HOLE GEOLOGIC LOG

 HOLE NUMBER C5

COMPANY:

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DIP	AZIM	TYPE OF HOLE: DDH RDH PDH	CONTACTS AND PRINCIPAL ZONES	BOTTOM OF INTERVAL DESCRIBED	RECOVERY	STRUCTURE		HOST ROCK		ALTERATION										ASSEMBLAGES										MINERALIZATION																																
						FRC / FT	W	BX	ROCK TYPE	QUARTZ MODE OF OCCURRENCE AMOUNT	K-SPAR KF	BIO-TITE BI	SERI-CITE MU	PYR-ITE PY	CLAYS CY	CHLOR-ITE CL	EPI-DOTE EP	CAR-BON-ATES CB	OTHER MG	OTHER	PRINCIPAL FACIES	INTENSITY	PY	BØ	CP	MC	AZ	CU LI	MG	HE																																
																															ANGLE INTENSITY COLOR	TEXTURE GRAIN SIZE	USE 4-LETTER CODE	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT	MODE	AMOUNT									
ESTIMATES & ASSAYS ELEMENTS OR MINERALS					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53					
STRUCTURE AND/OR ALTERATION					189.5 - 0.2 CRUMBLY (LW) = FLT=S																																																									
					START AT 183 - PINKING FRC																																																									
					10.5-1 3CL=M, CB=H FRC																																																									
VISUAL ESTIMATES																																																														
ACTUAL ASSAYS																																																														
189.5					FRX 190 10 35 F B<W G R D R P M H P F P A P L 3 M P L																																																									
C H W					NOTE ABSENCE OF WB'S 199.7 - 202.0 - FLT=H GOUGE																																																									
VISUAL																																																														
ACTUAL																																																														
199.7					200 10 35 F P L																																																									
C H W					204- START - 5MM HB, DEC																																																									
					LEUCO W'S B< BANDS WHITE																																																									
					PF PHN TO 20MM BECOME COMMON																																																									
VISUAL																																																														
ACTUAL																																																														
202.0					210 10 40 F																																																									
C H W																																																														
VISUAL																																																														
ACTUAL																																																														
220.0					220 10 30 F																																																									
C H W					226.6 - 227.0 - CRUMBLY - FLT=M																																																									
VISUAL																																																														
ACTUAL																																																														
226.6					230 10 35 F																																																									
C H W					EMIG. ANOMALY - MATHRE FAULT																																																									
					237.0 - 238.5 - CRUMBLY GRDR CLCY=X																																																									
					238.5 - 241.0 - GOUGE WHITE GREY																																																									
VISUAL																																																														
ACTUAL																																																														
237.0					240 10 40 F																																																									

HOLE NUMBER C5

PROPERTY:

LOGGED BY:

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PAGE 5 OF 6

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HOLE NUMBER C5

PROPERTY:

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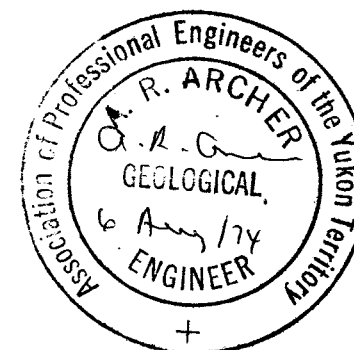
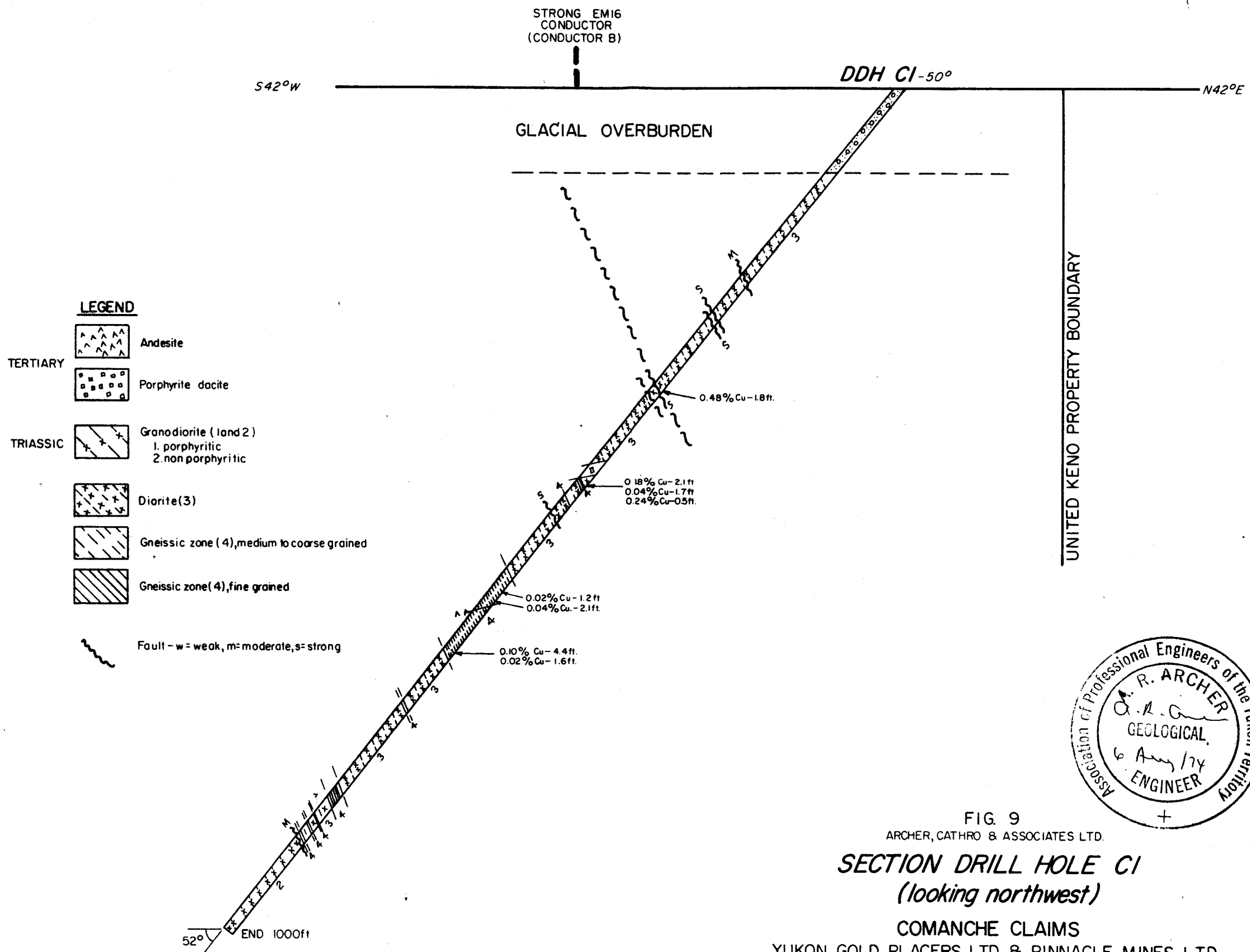
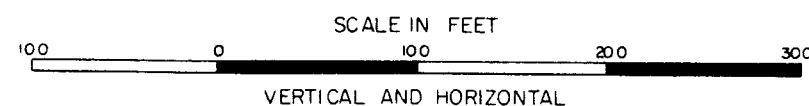


FIG. 9
ARCHER, CATHRO & ASSOCIATES LTD.

SECTION DRILL HOLE CI
(looking northwest)

COMANCHE CLAIMS
YUKON GOLD PLACERS LTD & PINNACLE MINES LTD.
MINTO AREA, YUKON



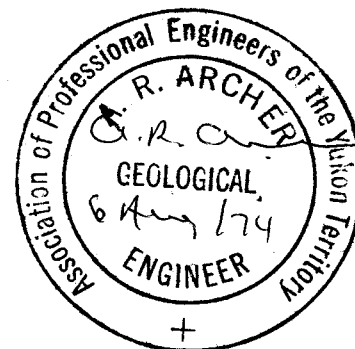
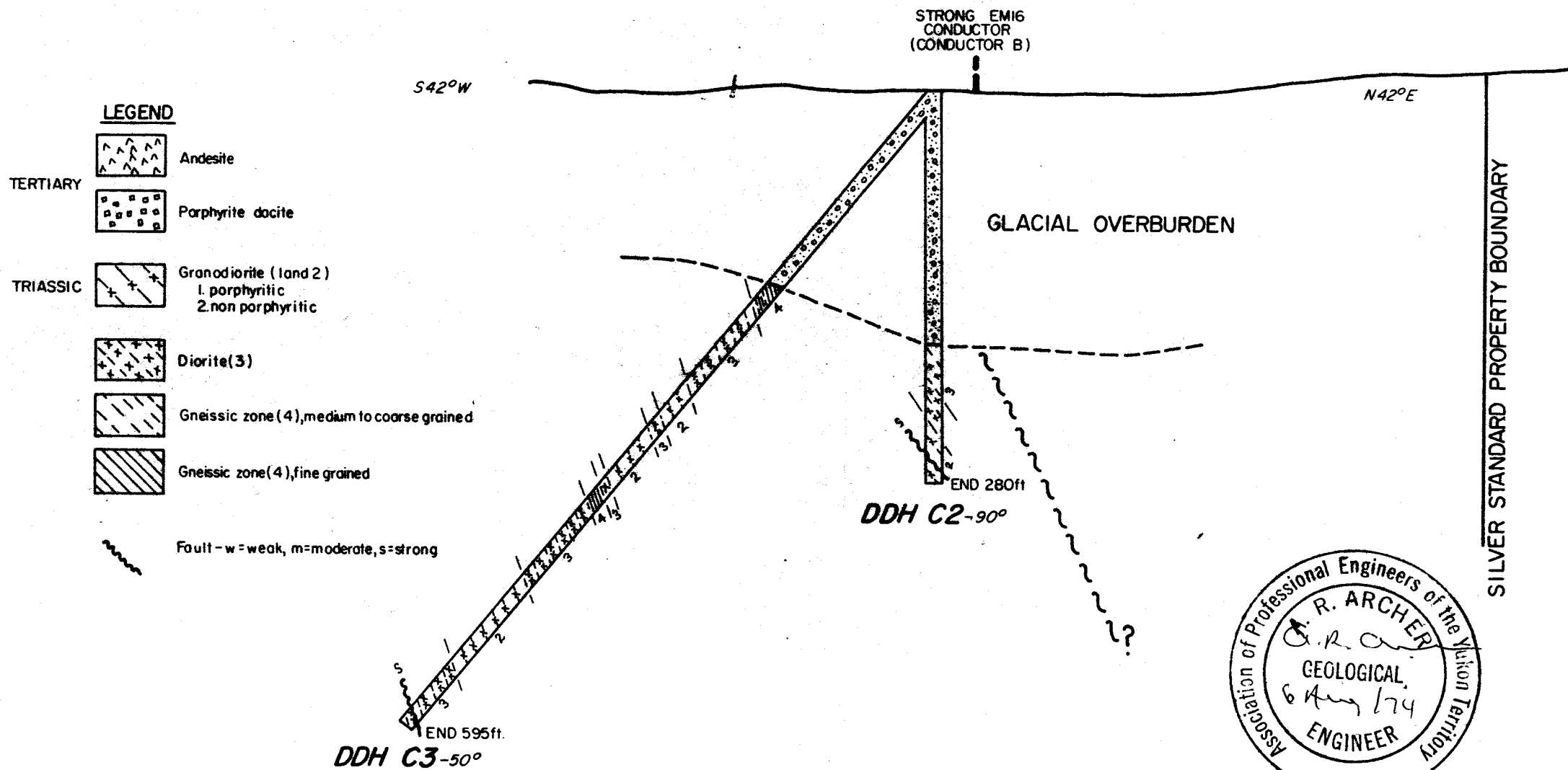
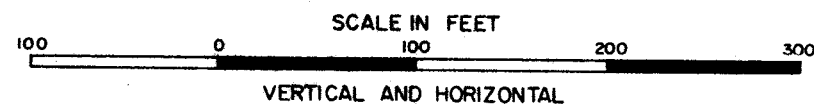


FIG. 10
ARCHER, CATHRO & ASSOCIATES LTD.

SECTION DRILL HOLES C2 AND C3
(looking northwest)

COMANCHE CLAIMS
YUKON GOLD PLACERS LTD & PINNACLE MINES LTD.
MINTO AREA, YUKON



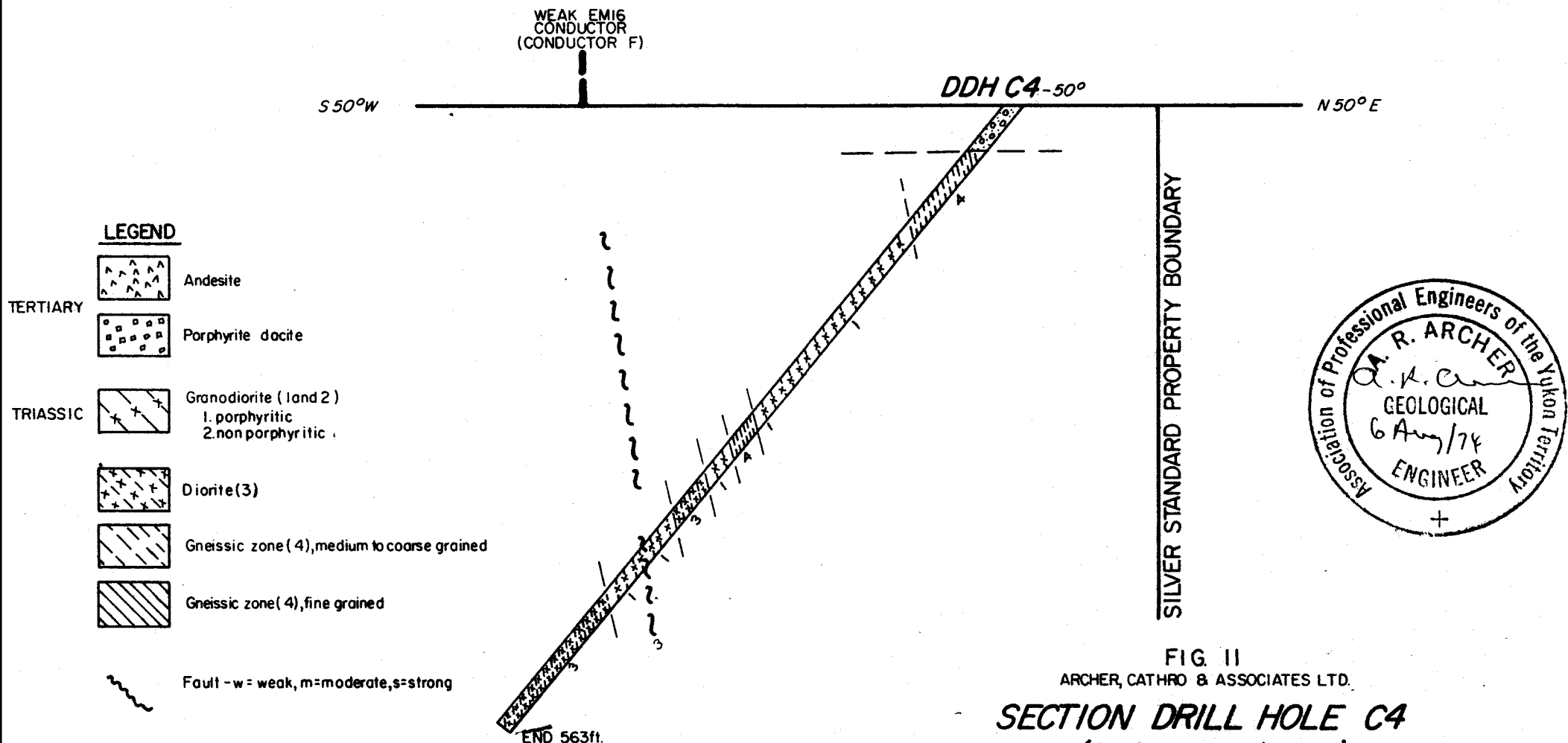


FIG. II
ARCHER, CATHRO & ASSOCIATES LTD.
SECTION DRILL HOLE C4
(looking northwest)
COMANCHE CLAIMS
YUKON GOLD PLACERS LTD & PINNACLE MINES LTD.
MINTO AREA, YUKON

SCALE IN FEET
100 0 100 200 300
VERTICAL AND HORIZONTAL

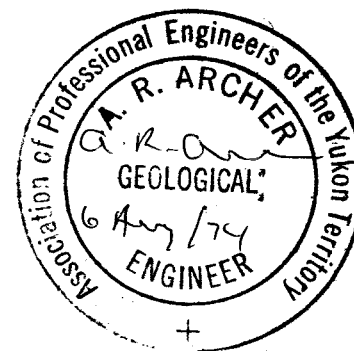
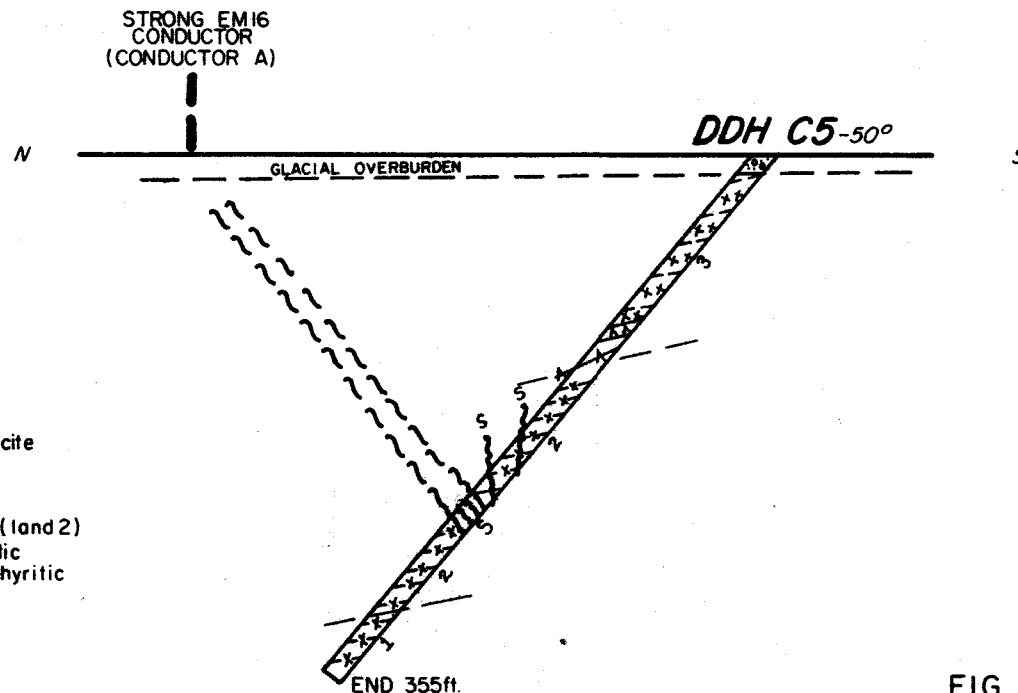


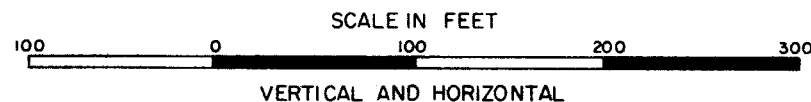
FIG. 12

ARCHER, CATHRO & ASSOCIATES LTD.

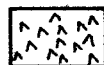
SECTION DRILL HOLE C5 (looking west)

COMANCHE CLAIMS

YUKON GOLD PLACERS LTD & PINNACLE MINES LTD.
MINTO AREA, YUKON



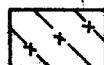
LEGEND



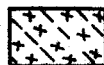
Andesite



Porphyrite dacite



Granodiorite (1 and 2)
1. porphyritic
2. non porphyritic



Diorite (3)



Gneissic zone (4), medium to coarse grained



Gneissic zone (4), fine grained



Fault - w = weak, m = moderate, s = strong